

# *Indiana's Life Sciences Industries 2002*



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## *Indiana's Intellectual Capital*

“Intellectual Capital” refers to the critical mass of knowledge in an industry, which holds the potential for growth and innovation. That knowledge can emerge from commercial, academic and research endeavors, and it's crucial to the development of new businesses and the expansion of existing ones in that industry.

Thanks to its world-class research universities and innovators in the private sector, Indiana has a wealth of intellectual capital in life sciences fields such as analytical chemistry, bio-engineering/tissue engineering, genomics/proteomics, human nutrition, medical and bio-informatics, MEMS (Micro-Electro-Mechanical Systems) and nanotechnology. In fact, Purdue University's graduate program in analytical chemistry was ranked second in the nation in an April 2002 list of “America's Best Graduate Schools” in *U.S. News and World Report*.

Following are just a few examples of the countless endeavors underway in Indiana that are expanding the horizons of life sciences industries:

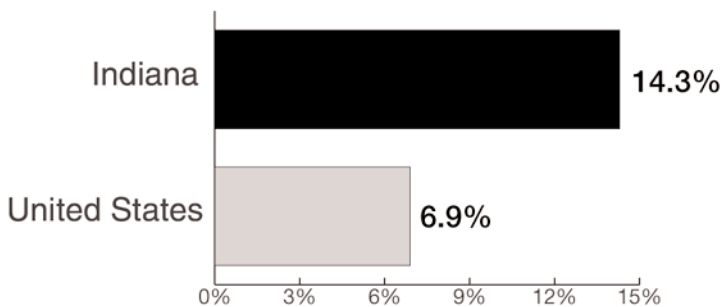
- The Indiana Drug Development Consortium – a group of scientists from Purdue University, Indiana University Medical Center, the National Cancer Institute and five Indiana pharmaceutical companies – is researching and developing vitamin-based drug delivery technologies.
- Purdue's strong Department of Biomedical Engineering is fostering interdisciplinary research with a dedicated emphasis on the molecular and cellular foundations of implantable devices and tissues.
- With the support of a grant from the Lilly Endowment, Indiana University's Indiana Genomics Initiative, also called INGEN, is creating a world-class enterprise to research genomics and proteomics.
- The School of Informatics at Indiana University Purdue University Indianapolis (IUPUI) is setting new standards in data sets and electronic medical records.
- Indiana is one of the nation's leading participants in Project Lead The Way, a program that prepares secondary students for careers in engineering and engineering technology. Fifty Indiana high schools and middle schools are active in the program, which will soon include a biomedical component.
- Purdue University is building a \$100 million Discovery Park, a new home for interdisciplinary research that will include a bioscience/engineering center, an e-enterprises center and a center for entrepreneurship. Discovery Park will also be home to the Birck Nanotechnology Center.

These and other innovative programs are highlighted in this report, which provides an overview of the life sciences industries in Indiana and the university and private sector initiatives that are spurring industry growth. This report will be updated regularly and posted on the Indiana Department of Commerce Web site, <http://www.indianacommerce.com>.

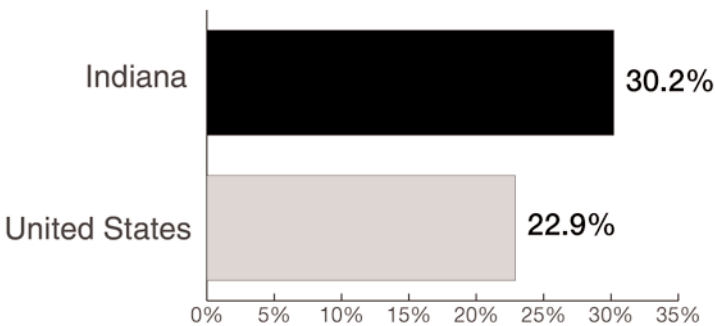
## *Biomedical Manufacturing in Indiana*

Indiana's biomedical products manufacturing industry is large and dynamic. Products range from traditional medical devices to the latest technical innovations. The business mix includes small startups and large international corporations. As the following charts show, Indiana's rate of growth since 1997 leads the U.S. rate in both the medical instruments and pharmaceuticals sectors.

### **Medical Instrument Growth Since 1997**

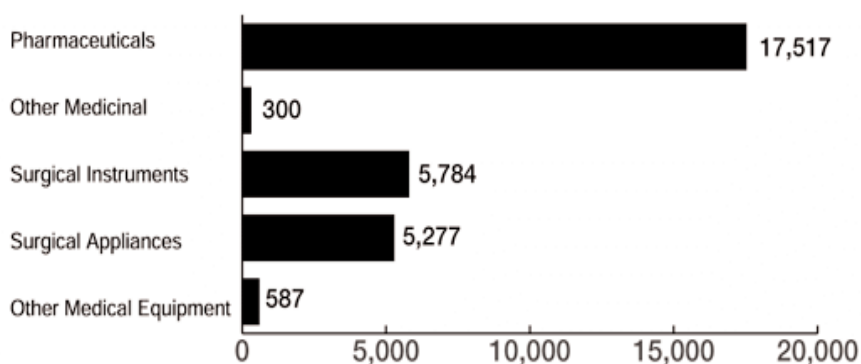


### **Pharmaceutical Growth Since 1997**

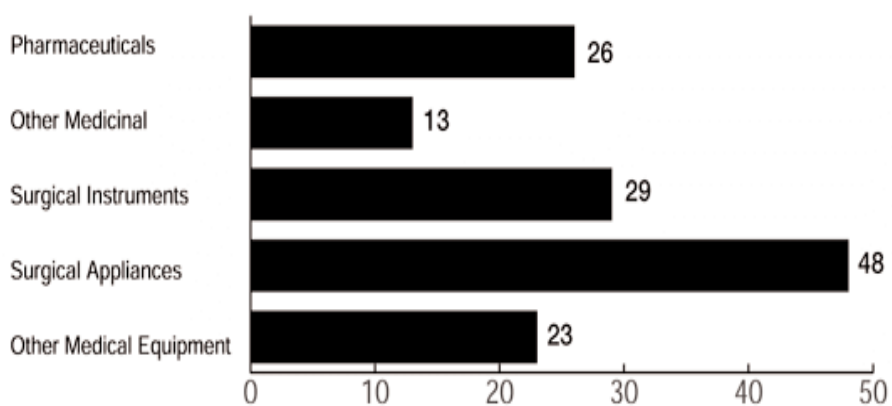


In 2000, Indiana had 139 establishments that were primary producers of biomedical-related products, with a combined employment of 29,165 workers.

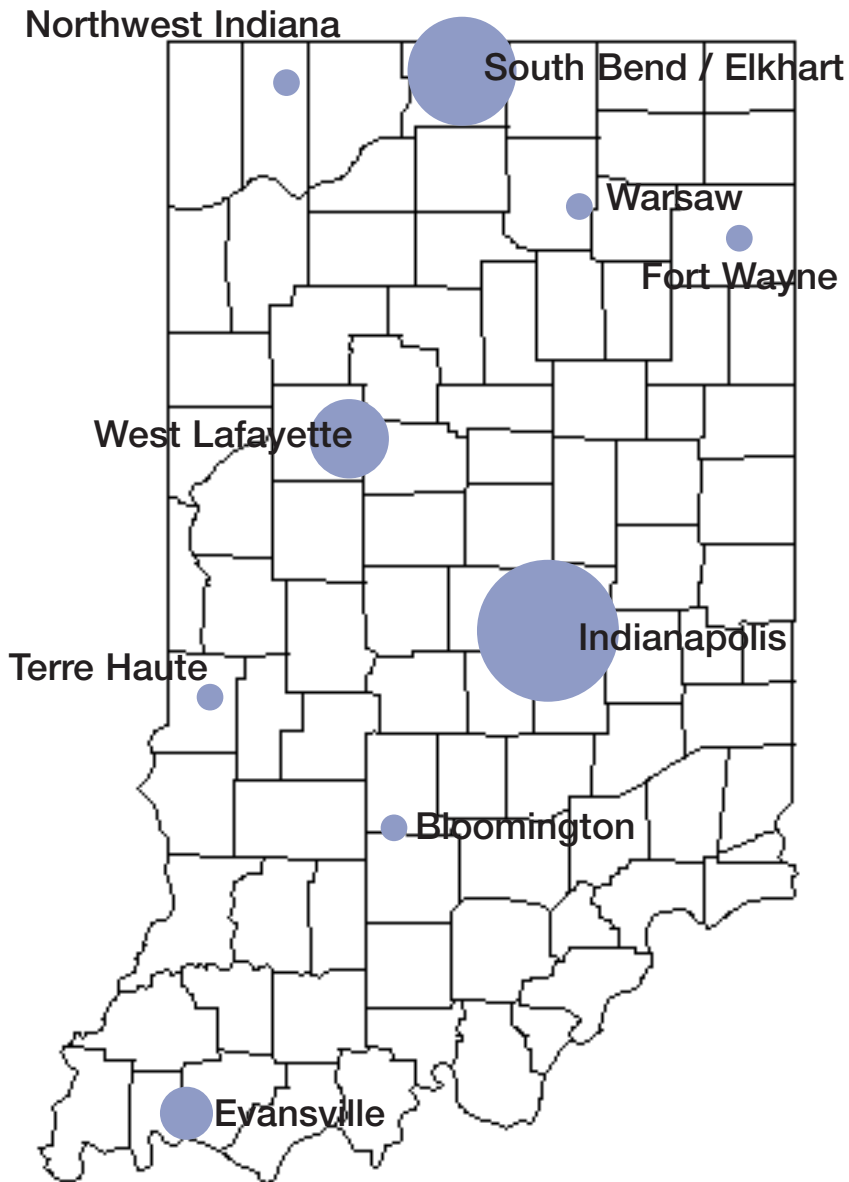
### Indiana Biomedical Manufacturing Employment, 2000



### Indiana Biomedical Manufacturing Establishments, 2000



## Indiana's Pharmaceuticals Sector



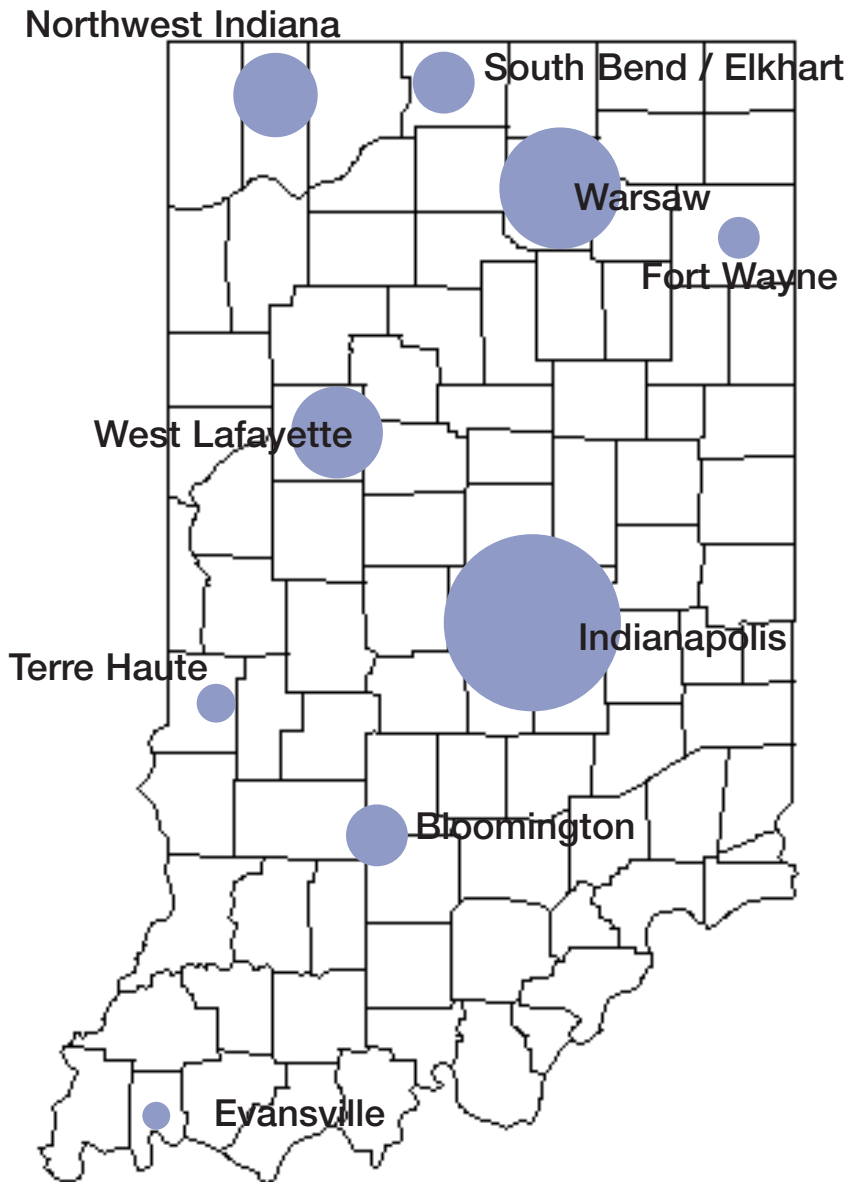
### Major Players

Eli Lilly and Company (*Indianapolis*)  
Bayer Corp. (*Elkhart and Mishawaka*)  
Covance, Inc. (*Indianapolis*)  
West Pharmaceutical (*Indianapolis*)  
Bristol-Myers Squibb Co. (*Evansville*)  
GFI Research Center (*Evansville*)  
Bioanalytical Systems, Inc. (*West Lafayette*)  
Pfizer, Inc. (*Terre Haute*)

### New Entrants

KP Pharmaceutical Technology (*Bloomington*)  
Integrity Pharmaceutical Corp. (*Indianapolis*)  
SSCI (*West Lafayette*)  
ComChem Technologies (*Indianapolis*)  
Faulk Pharmaceutical Research (*Indianapolis*)  
Endocyte (*West Lafayette*)  
Geist Pharmaceuticals (*Indianapolis*)  
Microgen (*Greenwood*)

## Indiana's Medical Devices & Instruments Sector



### Surgical and Medical Instruments

#### Major Players

Hill-Rom Company (*Batesville*)

Cook Group, Inc.

(*Bloomington, Spencer, Lafayette*)

Guidant (*Indianapolis*)

#### New Entrants

Focus Surgery, Inc. (*Indianapolis*)

Sterilization Cassette Systems, Inc.

(*Indianapolis*)

JATECH Scientific (*Knightstown*)

### Surgical Appliances and Supplies

#### Major Players

Biomet, Inc. (*Warsaw*)

DePuy, Inc. (*Warsaw*)

Zimmer, Inc. (*Warsaw*)

Sofamor Danek (*Winona Lake*)

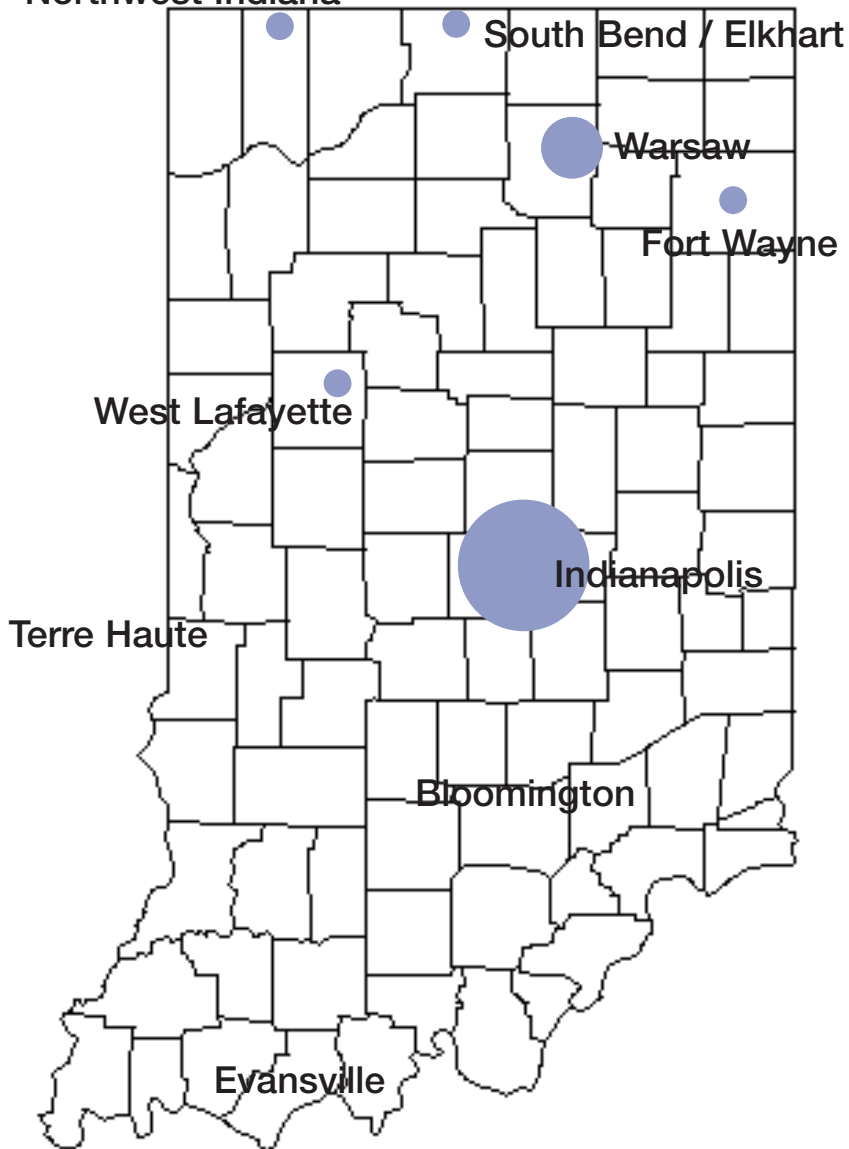
Othy, Inc. (*Warsaw*)

#### New Entrants

Paragon Medical (*Pierceton*)

## *Indiana's Electromedical & Irradiation Apparatus Sector*

### Northwest Indiana



### **Major Players**

Roche Diagnostics (*Indianapolis*)  
Bayer Corp. (*Elkhart*)  
Biosound, Inc. (*Indianapolis*)  
Panoramic Corporation (*Fort Wayne*)

### **New Entrants**

Polymer Technology Systems (*Indianapolis*)  
MED Institute (*Lafayette*)  
Cook Biotech, Inc. (*West Lafayette*)  
Focus Surgery, Inc. (*Indianapolis*)  
GDS Technology, Inc. (*Elkhart*)  
Opto Sonics, Inc. (*Indianapolis*)  
FluorRX (*Indianapolis*)



## Indiana's Health Information Technology Sector



### Major Players

Logikos (Fort Wayne)  
Medical Informatics Engineering, Inc.  
(Fort Wayne)  
RealMed (Indianapolis)  
Mezzia (Indianapolis)

### New Entrants

Medical Decision Modeling (Indianapolis)  
Quovix (Indianapolis)  
HealthX (Indianapolis)

## Indiana's Animal & Ag-Sciences Sector



### Major Players

Agdia, Inc. (Elkhart)  
Central Soya (Fort Wayne)  
Dow AgroSciences (Indianapolis)  
Elanco Animal Health (Indianapolis)  
Hawthorne Products, Inc. (Dunkirk)  
Moseley Laboratories, Inc. (Indianapolis)  
Pfizer, Inc. (Terre Haute)

## *Recent Growth in Indiana's Life Sciences Industries*

Following are just a few examples of the life sciences companies that have been established or have announced significant expansions in Indiana in recent years.

### **2002**

**Dow AgroSciences** announced that it will consolidate its research and development group by moving its biotechnology projects from San Diego to Indianapolis, creating 20 to 40 new, professional jobs in the process. The move will allow the company's research and development department to more effectively utilize lab capacity in Indianapolis, as well as provide better career development opportunities for Dow AgroSciences research and development employees. Dow AgroSciences LLC, based in Indianapolis, is a global leader in providing pest management and biotechnology products that improve the quality and quantity of the earth's food supply and contribute to the safety, health and quality of life of the world's growing population.

### **2001**

**Puritan Bennett** announced that it is expanding its central Indiana operations. The company, a division of Tyco Healthcare, is moving from its current Indianapolis facility to a larger, existing building in Plainfield. It currently employs 282 workers at the Indianapolis plant and will invest approximately \$9.9 million in the new plant, creating 180 additional jobs by 2004.

**SSCI, Inc.** received an *Inc 500* award for its dynamic growth; the company has more than tripled its staff since 1998. Located at the Innovation Center in Purdue Research Park, the company helps pharmaceutical industry clients accelerate the pace of drug development and improve the quality of drugs they offer.

**Akina, Inc.**, an engineering and research services company, was established at the Business and Technology Center in Purdue Research Park. The company specializes in controlled drug delivery and design of biomedical products. Akina has developed new polymers and hydrogels for controlled drug delivery, new controlled release formulations, and new surface modification technologies for biomedical devices.

**Othy, Inc.** in Warsaw announced plans in 2001 to add 58 new employees following an almost \$8 million investment in building improvements and equipment upgrades. Othy, Inc. is a precision machining company that provides surgical instrumentation to manufacturers of orthopedic implants. A subsidiary of Symmetry Medical, Inc., Othy employs 240 workers in Warsaw and is the largest orthopedic instrument company in the United States.

**CurXcel Corp.**, a biotechnology company that focuses on the discovery of treatment against Alzheimer's Disease, was established in the Business and Technology Center at Purdue Research Park. The company is working to discover and develop plant-derived

drugs that will prevent the onset of Alzheimer's Disease, slow or stop its progression with an early diagnosis, and regenerate neuronal links that have been destroyed by the disease.

**Griffin Analytical Technologies, Inc.** was established at the Purdue Technology Center in the Purdue Research Park. The company is committed to producing portable, affordable and functional chemical analysis instrumentation and is licensing Purdue technology to deliver a miniaturized mass spectrometer to the analytical instrumentation market.

**Helmer Labs**, a Noblesville company, manufactures instruments for the blood banking industry, including platelet storage systems, plasma thawing systems, refrigeration systems and centrifuges. In 2000, the company recorded \$4.5 million in sales, and officials projected \$7 million in sales in 2001, following the addition of new product lines. In 2001, the company announced that it would add more than 30 employees, bringing its workforce up to about 85.

**FuturaGene, Inc.**, a company that researches and develops genetic solutions to solve crop production problems, was established in the Purdue Research Park. The company was formed by researchers from Purdue, the University of Arizona and Illinois University to bring to market plant genes that improve plants' tolerance to environmental stresses such as drought, cold and fungus attack.

## 2000

**RealMed Corporation**, an Internet-based, business-to-business healthcare technology, connectivity and commerce provider, announced plans to create approximately 1,812 new jobs over the next ten years and make capital investments totaling approximately \$82.5 million.

**Covance, Inc.** announced plans in 2000 to build a new facility and add approximately 450 new jobs in a 5-year, \$44 million expansion at its Indianapolis facility. The announcement marked the second time in three years that Covance decided to grow in Indianapolis. In 1997, Covance announced plans to add more than 300 jobs and invest \$21.4 million in the Indianapolis facility.

## 1999

**Eli Lilly and Co.** announced plans to undertake the largest business development venture in Indiana's history: a \$1 billion investment in its Indianapolis facility and the addition of approximately 8,860 new jobs over the next 10 years.

**Biomet, Inc.** announced that it would make a \$6 million investment and create a projected 85 new jobs by 2001 at the international headquarters located in Warsaw. Biomet, Inc., founded in 1977, produces and manufactures orthopedic products.

## *New Opportunities for Life Sciences Development in Indiana*

### **21st Century Research and Technology Fund**

The 21<sup>st</sup> Century Research and Technology Fund was established in 1999 to help foster research collaborations between industry and academia, to aid in the commercialization of the results of research projects and to create high skill, high wage jobs in Indiana. Information on all of the awards made by the Fund may be found at <http://www.21fund.org>.

Following are just two examples of life sciences projects being supported by the Fund:

#### *Indiana Drug Development Consortium (IDDC) Development of Vitamin-Based Drug Delivery Products*

Fund Award:	\$2,000,000
Total Project Cost:	\$15,000,000

#### Partners

Endocyte, Inc. – West Lafayette, IN  
Purdue University – West Lafayette, IN  
Indiana University Medical Center – Indianapolis, IN  
Washington University Medical Center – St. Louis, MO  
  
National Cancer Institute (CRADA) – Bethesda, MD  
BAS Analytics – West Lafayette, IN/Evansville, IN  
WIL Research Labs – Indianapolis, IN  
Cook Pharmaceutical Solutions – Bloomington, IN  
MED Institute – West Lafayette, IN  
Certus, International – St. Louis, MO  
AAC Consulting – Washington, DC

#### Project Summary

Researchers at Purdue University have developed a new drug delivery system using the vitamin folate to greatly enhance the selectivity of anticancer drugs for cancer cells versus normal cells. Rapidly dividing cancer cells have an unusually large number of binding proteins, or receptors, for vitamins on their cell surfaces.

The Indiana Drug Development Consortium (IDDC) is a group of scientists at Purdue University, Indiana University Medical Center, the National Cancer Institute, and five Indiana pharmaceutical companies: Endocyte, Inc.; WIL Research Labs; Cook Pharmaceutical Solutions; MED Institute; and BAS Analytics. The overall mission of the IDDC is the research, development and commercialization of vitamin-based drug delivery

technology. The IDDC combines excellence in academic research, technical expertise and industrial drug development experience into a well coordinated and managed effort.

This project will have an immediate and long-term economic impact on Indiana's high technology industry by investing millions of dollars into Indiana technology (\$40 million over the next five years), creating high technology life science jobs, enhancing Indiana's infrastructure for research and technology transfer, supporting academic and industrial cooperation, attracting Federal research dollars and resulting in near-term marketable products.

### *Advanced Spinal Surgery Concepts*

Fund Award:	\$1,998,987
Total Project Cost:	\$4,245,482

### Partners

University of Notre Dame – South Bend, IN  
Zimmer, Inc. – Warsaw, IN  
Purdue University – West Lafayette, IN  
Indiana University – Bloomington, IN

### Project Summary

In this proposal, three new implant technologies for the repair and strengthening of the human spine are presented with each technique relying on new materials, manufacturing and implant technology. These technologies offer several opportunities for the orthopedic implant industry in Indiana to make significant gains in the development of spinal implant technology that will result in the better treatment and care of spinal injury or pathology.

This effort will be carried out at each of the three major Indiana research universities and at Zimmer, Inc., a world leader in the orthopedic implant industry. The research is multidisciplinary, and Zimmer will support all aspects of the research and product development. It is intended that this research project will result in a new generation of spinal implant products that are ready for clinical evaluation. This technology promises to allow Zimmer to be more competitive in this market, resulting in significant economic growth for the company and its suppliers, all based in or near the city of Warsaw, IN. In addition, the new products would require the expansion of Zimmer's workforce, creating a large number of high tech, highly skilled jobs, and simultaneously attracting highly educated professionals to Indiana.

## **The Central Indiana Life Sciences Initiative**

Launched in 2002, the Central Indiana Life Sciences Initiative is led by the Central Indiana Corporate Partnership, the City of Indianapolis, Eli Lilly, Indiana University, Purdue

University and the Indiana Health Industry Forum. The Initiative will seek to increase the number of jobs, businesses and research opportunities in the life sciences industry in Central Indiana.

Central Indiana's burgeoning "life sciences corridor" stretches from Bloomington through Indianapolis to West Lafayette. The corridor includes the recently created Indiana Genomics Initiative at IU and Purdue's Discovery Park, which are now linked by a high-performance optical fiber network known as I-Light.

The Initiative will link with other collaborative efforts, such as the "Indiana Proteomics Consortium," a recently announced venture between Lilly, IU's Advanced Research Technology Institute and the Purdue Research Foundation to create instruments and methods to measure proteomics. The consortium will greatly assist pharmaceutical companies and others in creating better drugs.

More than \$1.5 billion has already been invested or committed through 2005 to projects that will jumpstart the Initiative.

Financial assets for the Initiative include:

- e.Lilly – a \$50 million venture fund created by Eli Lilly and Company
- Indiana University Foundation venture capital
- Purdue University's Trask Venture Fund
- Lilly BioVentures – a venture capital fund created by Eli Lilly and Company
- The 21st Century Research and Technology Fund

Other assets include world-class companies such as Lilly, Roche Diagnostics, Guidant, Dow AgroSciences, Clarian Health Partners, Hill-Rom, Anthem, Cook Group and Covance.

For more information, visit <http://www.cils.com>.

## *Indiana Industry Trade Associations*

### **The Indiana Health Industry Forum**

The Forum is a not-for-profit, public-private partnership of leaders from Indiana's health industry, government and academia working collaboratively to make Indiana a premier state for the creation and growth of health industry enterprises. Membership includes manufacturers, health care delivery and insurance firms, suppliers, related industry associations, universities, professional service providers and government entities.

One in eight jobs in Indiana are in the health sector, accounting for 13 percent of the state's payroll. The Forum has been a voice for the industry and has been profiling the industry to provide accurate statistics for use by the public policy community, economic development professionals and industry advocates. The Forum has been identifying issues of concern to the industry, barriers to growth, and resources available for entrepreneurs and startups to provide them more of an opportunity to succeed.

The Forum's goals for 2002 include:

- Reauthorization and enhancement of the 21st Century Research & Technology Fund;
- Shaping a vision for Indiana that leverages the health industry;
- Increasing the strength of Indiana health industry networks; and
- Influencing the creation of effective workforce development programs.

For more information about the Indiana Health Industry Forum or to learn more about how to get involved in the Forum's activities, call 317-264-8552, visit <http://www.ihif.org> or e-mail [ihif@ihif.org](mailto:ihif@ihif.org).

### **Indiana Medical Device Manufacturers Council Inc.**

IMDMC is an association of nearly 60 medical device manufacturers and other companies that work closely with the medical device industry in Indiana. The IMDMC's mission includes:

- Serving as a voice for the Indiana medical device industry before legislatures and regulatory agencies.
- Providing training, education and information to the medical device industry.
- Working to foster economic growth that will benefit companies and citizens in Indiana.
- Increasing awareness of the benefits the Indiana medical device industry provides.
- Facilitating interaction between members of the Indiana medical device industry.

At IMDMC's home page (<http://www.imdmc.org/>) you can find: 1) notices of upcoming



educational forums featuring key political, regulatory and business leaders from throughout the region and Washington DC; 2) a listing of members and links to their Web sites; 3) a resource library of regulations, white papers and other timely and pertinent information pieces; 4) membership information including online application submission; 5) an overview of IMDMC's federal advocacy efforts on behalf of the membership; and 6) more information on how to get involved with this leader-oriented council.

For more information, please contact the IMDMC at 317-951-1388 or e-mail [imdmcoffice@ameritech.net](mailto:imdmcoffice@ameritech.net).

## **Manufacturing Technology Center at Indianapolis**

MTC-I is a broker/facilitator that represents more than 130 companies, research and development universities, and federal laboratories in central Indiana and across the Midwest. The organization develops and establishes workforce training programs to meet the needs of Indiana companies and trade groups; identifies advanced manufacturing practices and encourages their implementation into Indiana companies; and responds to industry requests for resources to remove obstacles for their success, whatever they might be. For more information, visit <http://www.mtci.org>.

## *Venture Capital Resources*

### **Indiana Venture Capital Resources**

#### ***Cambridge Ventures L.P.***

Indianapolis, Indiana

317.814.6192

Cambridge Ventures is a private venture capital partnership licensed as an SBIC. Cambridge provides capital to businesses in the Midwest, primarily those within 200 miles of Indianapolis. Its investment criteria include a strong management team, sound business plan, growth potential and proprietary advantage.

#### ***Cardinal Ventures LLC***

Indianapolis, Indiana

<http://www.cardvent.com/>

Cardinal Ventures is a privately-owned partnership that seeks to acquire businesses that can be grown through internal means and by add-on acquisitions. Cardinal's goal is to buy, build and operate a small number of companies for long-term value creation. It does not consider start-ups or first stage venture investments, high technology, natural resource investments, turnarounds, real estate or companies that have a strong international dependence.

#### ***Centerfield Capital Partners***

Indianapolis, Indiana

<http://www.centerfieldcapital.com/>

Centerfield Capital Partners is interested in growth and later stage investments in companies addressing opportunities in healthcare products and services, information technologies and telecommunications, business and financial services, and specialized manufacturing. The fund is most interested in investing in companies with annual revenues of between \$5 and \$100 million and at a stage where they have a positive cash flow. We prefer to invest in companies that have proven products and customers. We refer to ourselves as a multi-stage fund, investing in companies to help them grow.

#### ***CID Equity Partners***

Indianapolis, Indiana

<http://www.cidequity.com/>

With nearly \$400 million under management, CID is one of the largest Midwest firms providing private equity and debt financing to seed, early stage and middle market companies throughout the Midwest. CID offers capital to support seed stage through middle market growth companies. This broad range of funding opportunities is known as CID's Continuum of Capital™. The firm's "family" of private equity funds includes a \$35 million seed fund, a \$110 million venture fund and a \$146.5 million mezzanine fund.

### ***Command Equity Group***

Bloomington, Indiana

<http://www.commandequity.com/about.asp>

Command Equity Group is an Indiana-based private venture capital management company with an emerging national investment network that focuses on making investments in start-up and early-stage technology companies. Command Equity Group helps build companies by providing the capital, expertise and experience needed for faster development and higher profitability. Since being founded in 1998, Command Equity Group has organized two venture capital funds totaling \$10 million and has provided capital to seven portfolio companies and two high profile venture funds.

### ***e.Lilly Venture Fund***

Indianapolis, Indiana

<http://www.e.lilly.com/>

This fund was created by Eli Lilly and Company to invest in early- to development-stage startup companies with innovative e-business solutions that will benefit the research, development and commercialization of pharmaceuticals.

### ***Gazelle TechVentures***

Indianapolis, Indiana

<http://www.gazellevc.com/overview/overview.htm>

For early stage companies, Gazelle TechVentures often assists entrepreneurs with plan formation in advance of investment consideration. More importantly, Gazelle links entrepreneurs with appropriate resources outside of Gazelle such as board members, senior executives or professional advisors. For middle to late stage companies, Gazelle provides a platform for syndication of capital and resources. For the middle stage company, Gazelle actively assists in building their management team and developing their approach to the market and puts its money behind the company indicating local acceptance of the concept and team. For later stage companies, Gazelle assists management teams in identifying and networking with the most strategically important advisors and investors as they prepare for large private rounds of funding or IPO.

### ***IM Ventures, LLC***

Indianapolis, Indiana

[http://www.imdr.com/practice\\_areas/imventures.html](http://www.imdr.com/practice_areas/imventures.html)

IM Ventures recognizes that Indianapolis is rife with entrepreneurs and resulting start-ups, particularly in the high-technology and health care arenas. Many private investors make investments in early-stage businesses with little assistance from outside resources or from a combination of local service providers. These individuals would benefit from a single, strong entity to support them during the investment process including evaluating business plans, structuring the investment and the subsequent management and reporting of the company's or the investment's financial status. IM Ventures, LLC fills this void by focusing in four core areas: Investment Management

Services; Portfolio Company Acceleration Services; Private Investor Alliance; and Strategic and Business Consulting Services.

### ***IrishAngels***

South Bend, Indiana

[http://www.business.nd.edu/IA/about\\_ia.cfm](http://www.business.nd.edu/IA/about_ia.cfm)

The IrishAngels network comprises a select group of Notre Dame alumni and friends who are experienced in entrepreneurial endeavors and interested in supporting new venture development. The network creates a forum for entrepreneurial-minded members of the Notre Dame family to contact each other for networking purposes and foster the development of new business opportunities.

### ***Irwin Ventures***

Columbus, Indiana

<http://www.irwinventures.com/irwin.html>

Irwin Ventures invests in early stage companies in financial services or financial services-related technology, primarily those using technology to change the landscape of their market niche.

### ***Lilly BioVentures Fund***

Indianapolis, Indiana

<http://www.lillybioventures.com>

This fund, created by Eli Lilly and Company, focuses on innovative enabling technologies aimed at improving and accelerating drug discovery and development, as well as emerging or novel technologies in the biotech or biopharmaceutical field.

### ***Monument Advisors***

Indianapolis, Indiana

<http://www.monumentadv.com/>

Monument Advisors, an Indiana Merchant Bank, offers middle market companies throughout the Midwest a full line of corporate finance services, a dedicated Mezzanine fund, and an Equity and Mezzanine fund, which is currently in the fund raising stage.

### ***Periculum Capital Company***

Indianapolis, Indiana

<http://www.periculumcapital.com/>

Periculum Capital Company is a leading regional investment banking firm, serving the needs of growth companies and growing mid-market companies in the upper Midwest.

***Purdue University Trask Pre-Seed Venture Fund***

West Lafayette, Indiana

<http://www.otc.purdue.edu/>

This fund provides one-time pre-seed capital of up to \$250,000 through the Gateways Program at the Purdue Research Park – a program that provides many of the resources needed by start-up ventures to increase their odds of survival. The Trask Venture Fund is available only to Purdue faculty members launching companies.

***Rose-Hulman Ventures***

Terre Haute, Indiana

<http://www.rose-hulman.edu/rhv/RHV.htm>

Rose-Hulman Ventures is a technology-based business incubator and product-development center with a unique combination of resources to meet the challenges of taking a bright idea to the marketplace. Our mission is to foster creation and growth of innovation-based businesses by providing easier access to infrastructure, technical support, business support and capital. Rose-Hulman Ventures offers working relationships from traditional incubator resources for individual entrepreneurs to contract engineering services for multi-national corporations. All of these critical components are located together on a single, 180-acre, campus-like setting in a 35,000 square-foot building at Aleph Park in Terre Haute, Indiana.

***Village Ventures / Spring Mill Venture Partners***

Bloomington, Indiana

[http://www.villageventures.com/performance/affiliate/bloomington\\_in.html](http://www.villageventures.com/performance/affiliate/bloomington_in.html)

Village Ventures, Inc. manages a proprietary nationwide network of early-stage venture capital funds focused on emerging technology centers. Spring Mill Venture Partners is an Indiana affiliate that invests in early-stage companies in the information technology and life science industries located in Indiana and the surrounding region.

***White River Venture Partners***

Indianapolis, Indiana

Marc DeLong: 317-780-7789

White River Venture Partners is an SBIC that invests in central Indiana companies in a variety of industries. The fund supports second-stage and beyond companies – those with proven products and markets.

## Midwest Regional Venture Capital Resources

***Alpha Capital Partners***

<http://www.alphacapital.com/>

***Arch Development Partners LLC***

<http://www.archdevelopmentpartners.com/>

***AV Tech Ventures***

<http://www.avaloninvest.com/>

***Blue Chip Venture Company***

<http://www.bcvc.com/>

***Devers Group Inc.***

<http://www.deversgroup.com/>

***EDF Ventures***

<http://www.edfvc.com/>

***KB Partners***

<http://www.kbpartners.com/home.htm>

***NCIC Capital Fund***

<http://www.ncicfund.org/>

***North Coast Technology Investors, LP***

<http://www.northcoastvc.com/index.html>

***Open Prairie Ventures***

<http://www.openprairie.com/home.html>

***River City Capital Funds***

<http://www.rccf.com/about.htm>

***Senmed Medical Ventures***

<http://www.senmed.com/>

## *Universities: Expanding the Life Sciences Horizon*

The primary role played by Indiana colleges and universities is providing the workforce of the future. Our state's superior academic, technical and applied job training programs are creating a workforce that meets the demands of our ever-growing life sciences industries.

Life sciences companies have access to graduates with a full range of educational and technical training skills. They also have access to an increasing range of networks, technology centers and programs that provide practical solutions and innovations to a full range of problems. In addition, Indiana universities are increasingly forming proactive technology transfer and commercialization organizations and mechanisms to not only assist in local economic development but to increase universities' return from their platform technologies.

### **Ball State University**

Traditionally known within the State of Indiana as a teacher's college (with great programs in architecture and communications), Ball State has developed strong expertise in the information and communications technology tools that support major R&D projects, in the business tools that promote innovation and entrepreneurialism, and in life sciences fundamentals.

#### *Research Initiatives*

The [Center for Information and Communications Sciences](http://www.bsu.edu/web/cics/) (<http://www.bsu.edu/web/cics/>) was established with the benefit of a \$20 million grant from the Lilly Endowment Foundation. The center offers courses in the field of health informatics and places significant emphasis on creating next generation digital communications applications. The Center's programs include "Communication: The Media Design Initiative" and the [Institute for Wireless Innovation](http://www.bsu.edu/web/cics/iwi/default.asp) (<http://www.bsu.edu/web/cics/iwi/default.asp>).

Ball State also hosts the only National Science Foundation (NSF) funded Industry-University Cooperative Research Center program dedicated to software engineering. Universities across the United States, including five in Indiana, participate in [Software Engineering Research Center](http://www.cs.bsu.edu/homepages/serc/) (SERC) projects (<http://www.cs.bsu.edu/homepages/serc/>). Other collaborative approaches are being explored through the [Cluster Computing Research Project](#) (CCR), which originated in the College of Business.

Ball State's College of Business provides expertise in product development and new business creation. Its [Institute for Entrepreneurship](http://www.bsu.edu/web/entrepreneurship) has received countless accolades (<http://www.bsu.edu/web/entrepreneurship>). Students and faculty also benefit from resources such as the Toolbox Guide to Development Funds (<http://web.bsu.edu/IEDA/CurToolbox.asp>), which is maintained for the State of Indiana by staff at the [Center for Economic and Community Development](http://web.bsu.edu/ieda/home.asp) (<http://web.bsu.edu/ieda/home.asp>).

The [Office of Academic Research and Sponsored Programs](http://www.bsu.edu/research/) (<http://www.bsu.edu/research/>) functions as the technology transfer office, offering an electronic gateway to the Community of Science (COS), coordinating grants information resources, managing intellectual property programs and assisting in proposal development.

### *Academic Emphasis*

Ball State's foundation academic programs in chemistry, biology and physical sciences are augmented by application-specific endeavors, such as the [Human Performance Laboratory](#). Founded in 1965, the laboratory offers a variety of research, graduate study and service programs. Research interests have ranged from heart disease in aging men to performance of elite athletes and, most recently, a NASA space shuttle mission. In addition, programs in adult physical fitness and cardiac rehabilitation offer service to the local community.

The [Biomechanics Laboratory](http://www.bsu.edu/web/biomechanics) (<http://www.bsu.edu/web/biomechanics>) conducts research in clinical and sports biomechanics. Clinical research has centered on gait analysis in the elderly to tendonitis rehabilitation, while sports research has focused on sports jumping to tennis mechanics. The laboratory is fully equipped to quantify all types of musculoskeletal experimental data including force measurements, accelerometry, motion analysis with computer simulation and EMG.

The newest addition to the Department of Biology is the [BioTechnology Certification Program](http://www.bsu.edu/web/biology/biotech/Prog_Description.htm) ([http://www.bsu.edu/web/biology/biotech/Prog\\_Description.htm](http://www.bsu.edu/web/biology/biotech/Prog_Description.htm)). The curriculum can culminate in a non-degree certificate or be integrated into an MA or MS degree. Graduates from the program are especially well prepared for careers in biotech industries. Other concentrations are available in Laboratory Sciences of Cell-Molecular-Genetics-Microbiology.

### *Ball Memorial Hospital*

Ball State benefits from collaboration with neighboring **Ball Memorial Hospital** (<http://www.ballhospital.org/>). It is one of eight academic medical centers chosen to participate in a new nationwide registry for the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS). One project is the identification of patients with antiphospholipid syndrome (APS). Oncology groups with which Ball Memorial are involved include:

- [Eastern Cooperative Oncology Group \(ECOG\)](#). One of the largest clinical cancer research organizations in the United States, ECOG conducts clinical trials in all types of adult cancers.
- [Radiation Therapy Oncology Group \(RTOG\)](#). A national cooperative research organization under the supervision of the American College of Radiology, RTOG is funded by the NCI. Current studies involve radiation therapy either alone or in conjunction with surgery and/or chemotherapeutic drugs.
- [National Surgical Adjuvant Breast and Bowel Project \(NSABP\)](#). A cooperative group conducting clinical trials in breast and colorectal cancer research, NSABP is funded by the NCI.



## Indiana University

Indiana University's life sciences and technology programs in Bloomington develop talented students in the fields needed for future medical professions as well as for careers in basic research and product development/commercialization. IU also develops tools used for life science research. In addition to science and technology, IU's intellectual resources include cross-cutting infrastructure areas, such as information/communications technology (ICT) and product/business development expertise.

With the support of a \$105 million grant from the Lilly Endowment, IU's Indiana Genomics Initiative – INGEN – is creating a world-class biomedical enterprise built on the existing strengths at the IU School of Medicine and the IU Office of Information Technology. INGEN takes full advantage of IU's exceptional information technology infrastructure, which provides supercomputers, facilities to store massive amounts of data, and three-dimensional visualization laboratories. Additionally, the initiative will have close connections to the School of Medicine's medical informatics expertise, the Regenstrief Medical Record System and IU's new School of Informatics.

### *Academic Initiatives*

The recently established [Center for Genomics and Bioinformatics](http://www.cgb@bio.indiana.edu) (<http://www.cgb@bio.indiana.edu>) is a multidisciplinary graduate studies center that houses projects such as Bio-Mirror (<http://www.bio-mirror.net>), a global bioinformatic public service for high-speed access to up-to-date DNA and protein biological sequence databanks.

The [Indiana Instrumentation Institute](http://www.chem.indiana.edu/grad/research/analytical.htm) focuses on the development of new instrumentation, the improvement of instrumentation infrastructure, and partnerships with industries involved in chemical measurements. Established under the graduate program for Analytical Chemistry, it formalizes and strengthens existing relationships between Purdue University, Indiana University and state industry in the area of scientific instrumentation. Another objective is to assist graduate students and others in founding start-up companies based on research work done at Purdue and IU. (<http://www.chem.indiana.edu/grad/research/analytical.htm>)

In addition to collaboration with industrial partners, IU encourages collaboration among faculty members from different departments. Fellows from the [Indiana Molecular Biology Institute](#) hail from the departments of Biology, Chemistry, Biophysics, and Medical Sciences. Research programs include novel nucleic acid technologies, regulation of gene expression, and cell/developmental/genetic/molecular biology.

### *Research Emphasis*

Indiana University is now a member of Community of Science/Community of Scholars (COS), providing university members with a Web-based service for scholars of all disciplines that provides tools to help researchers with:

- Funding (a comprehensive database for research grants from public and private sources)
- Collaboration (a database of 300,000 researchers and scholars worldwide)
- Research promotion

For further information about IU's Research Gateway, visit <http://www.research.indiana.edu/>.

### *Information/Communications Technology*

IU hosts the Abilene Project for Internet2. Operating at speeds up to 2.4 gigabits per second – 45,000 times faster than a typical modem – Abilene provides high-performance network services that enable advanced applications such as high-definition television, telemedicine and remote access to scientific instruments. The project will develop an advanced backbone network to connect regional network aggregation points, called GigaPoPs, and support and encourage the development of advanced applications by the university members located globally.

IU also received a \$30 million grant from the Lilly Foundation to support the establishment of the Indiana Pervasive Computing Research (IPCRES) Initiative. Pervasive computing is the increasingly powerful combination of high-speed computers and intelligent devices, ranging from scientific instruments to home appliances to online digital libraries, all completely interconnected by wired and wireless networks and accessible anywhere in the world. Synergy exists between the Abilene and IPCRES initiatives and life sciences research and development.

### *Product/Business Development Strength*

Industry partnerships and technology transfer are encouraged at IU, with assistance in intellectual property and other specialties from the IU Advanced Research and Technology Institute (ARTI) and the IU Industrial Research Liaison Program (IRLP):

- **ARTI** (<http://Arti.Indiana.edu>), founded in 1996, is a private, not-for-profit corporation serving as an agent for IU campuses in establishing cooperative research, consulting and marketing agreements with private business and industry. ARTI serves as the Office of Technology Transfer for IU and also has Offices of Business Development and Trademarks and Licensing. Staff strength is in intellectual property management, commercial development of biomedical and biotechnology inventions, and information technologies. Since 1997, ARTI has tracked an increase in income from licenses of 560%.
- **IRLP** (<http://www.indiana.edu/~irlp/>) provides research and development (R&D) assistance, economic development assistance and information services to Indiana's small businesses, communities, governmental units, and nonprofit agencies and organizations. IRLP's staff of 11 can assist Indiana small businesses in commercializing their products, services and technologies as well as with their information needs. A unit of the Office of Research and University Graduate School (RUGS) at Indiana University, IRLP is funded by the U.S. Department of Commerce through the Small Business Administration and the Economic Development Administration, and also through the State of Indiana.

## Indiana University Purdue University Indianapolis (IUPUI)

The IUPUI School of Science leads the state in federal research university dollars attracted for life sciences.

IUPUI conducts advanced research in areas such as Advanced Imaging Technology for Disease Detection and Control and cutting edge development in such innovative areas as Informatics. The IUPUI campus is home to the nation's second-largest medical school when measured by graduates.

Recent academic emphasis has been placed on genomics and proteomics (funded by a \$105 million grant from the Lilly Endowment), integrated chem/biochem information systems, and the schools of Dentistry and Nursing.

- Research is currently focused on:
- Clinical programs – cancer, diabetes and alcoholism
- Genetic mapping and application for clinical use
- Radiology – imaging for metabolic processes
- Regenerative biology
- Biomedical engineering

Much of IUPUI's research is funded and/or supported through private partnerships, particularly with Lilly, Roche Diagnostics and Dow AgroSciences.

### *School of Medicine*

In addition to providing training in 25 medical disciplines and running various out-reach and support programs, the School of Medicine conducts research through a variety of programs. More information is available at the following Web sites:

- Office of Research Affairs <http://medicine.iu.edu/administration/research/index.html>
- Center for Medical Genomics <http://www.ingen.iu.edu/>
- Center for Biomedical Imaging <http://www.indyrad.iupui.edu/>
- Indiana University Cancer Center (IUCC) <http://iucc.iu.edu/>
- 21 Research Institutes & Centers of Excellence  
[http://www.medicine.iu.edu/research/institutes\\_centers.html](http://www.medicine.iu.edu/research/institutes_centers.html)
- 31 Core Research Laboratories <http://www.medicine.iu.edu/research/cores/index.html>
- Patient Clinical Trials <http://dmed.iupui.edu/ctp/>

### *School of Informatics*

Tapping into its strong relationship with Indiana University's Regenstreif Institute, the school sets new standards in data sets and electronic medical records.

## Purdue University

One of the world's most respected engineering schools, Purdue University is expanding extensively and rapidly into the most advanced areas of biomedical technology, both in providing quality education and research. New programs and developments are occurring so regularly that the material presented here can capture only a portion of the biomedical-related activity at Purdue.

Purdue recognizes that research and education succeed best when working in partnership with the private sector. More than 15% of Purdue's research funding comes from private industry, generating royalty income greater than \$1.7 million. Research partnerships are numerous and involve companies such as:

- Advanced Process (combinatorics)
- ASPIN (mental health)
- BAS (analytical chemistry Instruments)
- Cook Biotech (small intestine medical technology)
- Endocyte (cancer drug delivery systems)
- HemoCleanse (medical software)
- MED Institute (medical equipment development)

### *Academic Emphasis*

Purdue is home to the following departments and schools that are tied to biotechnology study and research:

- **The Department of Biochemistry** is committed to basic research and training for undergraduate, graduate and professional students pursuing careers in biochemistry, molecular biology and related life sciences. The department is involved in various interdisciplinary programs in Molecular Biology, Genetics, Plant Biology, Virology and Biophysics. <http://www.biochem.purdue.edu/>
- **The Department of Biological Sciences** is multi-disciplinary, offering a wide variety of choices for doctorate and masters degrees. Major research groups exist in the fields of molecular, cellular, organismal, structural and population biology. One of the newest developments is a Ph.D. program in tissue engineering. <http://www.bio.purdue.edu/>
- **The Department of Biomedical Engineering** serves as the focal point for educational, research and service activities in this growing field that integrates engineering and the life sciences. The department fosters interdisciplinary research that spans modern biomedical engineering with a dedicated emphasis on the molecular and cellular foundations of implantable devices and tissues. <http://www.ecn.purdue.edu/BME/>
- **The School of Pharmacy and Pharmaceutical Sciences** is a national leader in the education of pharmacists and pharmaceutical scientists. Twenty-five percent of all deans of schools of pharmacy in the United States are either Purdue alumni or former Purdue faculty members. The school (<http://www.pharmacy.purdue.edu/>) is divided into three departments:
  - **The Department of Industrial and Physical Pharmacy (IPPH)**, the nation's top program in this field, is involved in teaching, research and service in all areas of pharmaceuticals,

with emphasis on industrial pharmacy, biopharmaceutics/pharmacokinetics and physical pharmacy.

- [The Department of Medicinal Chemistry and Molecular Pharmacology \(MCMP\)](#) offers opportunities for undergraduates to participate in research and for faculty to participate in the School's undergraduate and professional programs.
- [The Department of Pharmacy Practice \(PHPR\)](#) is concerned with professional training related to the patient and delivery of healthcare services; the development, application and evaluation of experiential methods and professional services; and standards of pharmacy practice.

Purdue is also home to the following interdisciplinary programs:

- [The Biochemistry and Molecular Biology \(BMB\)](#) program offers diverse opportunities for graduate study and research leading to a Ph.D. degree. The BMB program prepares graduates for independent and creative research careers.  
<http://www.biochem.purdue.edu/~bmb/overview.html>
- [Biophysics](#) is an intensive program to provide for training in basic biophysics as well as subjects such as advanced biochemistry that interface with modern biophysics.  
[http://www-structure.bio.purdue.edu/GT\\_Biophysics/pf.html](http://www-structure.bio.purdue.edu/GT_Biophysics/pf.html)
- [Neuroscience](#) is designed to expose students to a survey of the different research areas before choosing an area of concentration.  
<http://www.psych.purdue.edu/~punweb/index.html>
- [Virology](#) focuses on integrating a number of disciplines to examine virological processes that may be out of the scope of one particular field and develop each student's capability for conducting independent and creative research.  
<http://bilbo.bio.purdue.edu/~virology/>
- [Purdue Genetics Program \(PGP\)](#) is an integrated, comprehensive curriculum for training Ph.D. students in genetics. The program provides training in fundamental and practical questions in the physiology of cells and whole organisms.  
<http://www.biochem.purdue.edu/~genetics/>

### *Research Centers*

Following are just some of the active research centers at Purdue:

- [The Cancer Research Center](#) is based on the major strengths of the university: excellence in the basic biological, biochemical, chemical and pharmaceutical sciences; a strong program in the chemistry and biochemistry of anticancer drugs; extensive research in cellular signaling mechanisms; a strong integrative program in structural biology and unique expertise in engineering; and several other applied areas that can be brought to bear on the cancer problem.  
<http://www.cancer.purdue.edu/>
- [The Center for Pharmaceutical Process Research](#) fosters an interdisciplinary approach to pharmaceutical processing-related research in order to catalyze interaction between industrial and academic scientists and make the application of a basic

science approach to formulation manufacture of drug products an integral part of pharmaceutical education. <http://www.pharmacy.purdue.edu/~nsf/>

- **Cytometry Laboratories** conduct extensive and advanced research in multiple areas such as immunophenotyping, DNA content, cell cycle analysis, DNA ploidy analysis, apoptosis phagocytosis, intracellular pH/, calcium oxidative burst, intracellular antigen measurement, total protein, cytokine detection and reticulocyte analysis. <http://www.cyto.purdue.edu/>
- **Department of Biochemistry** research focuses on basic problems in biochemistry and cell biology with an overall goal of contributing to an understanding of human disease and the advancement of modern agriculture. <http://www.biochem.purdue.edu/research.html>
- **Department of Biological Sciences** areas of research include biochemistry, biophysics, cellular and developmental biology, population ecology and evolution, eukaryotic and molecular genetics, microbiology, molecular biology, neurobiology and physiology. <http://www.bio.purdue.edu/>
- **The Department of Biomedical Engineering** has research programs that span from fundamental studies of biological structures to applied medical device design and evaluation. Many of the investigations involve the design and development of implantable or indwelling devices such as orthopedic, cardiac, endovascular, drug delivery or tissue-engineered devices. <http://www.ecn.purdue.edu/BME/Research/>
- **Biochemistry and Molecular Biology** research involves numerous fields including cancer biology, structural biology, plant molecular biology and molecular virology. Under development is a national center in bio-nanotechnology. <http://www.biochem.purdue.edu/~bmb/training.html>
- **Markey Center for Structural Biology** provides research facilities in a wide range of areas including X-ray crystallography, image reconstruction of viruses, and computation of 3D structure from solution X-ray scattering curves and cryo electron microscopy images. <http://www-structure.bio.purdue.edu/>
- **The School of Pharmacy and Pharmaceutical Sciences** offers research programs through all three of its departments ranging from pharmaceutical processing research to studies of protein drug delivery; from evaluating interactions in suspension and emulsion systems to evaluating interactions between proteins and biopolymer surfaces; and from the nature of solid surfaces to the nature of membrane surfaces. <http://www.pharmacy.purdue.edu/>
- **Hillenbrand Biomedical Engineering Center** works with all scientific disciplines that participate in some form of biomedical engineering. The center's objective is to provide an environment where these activities can take place in a maximally productive setting. More than 70 patents have been issued based on research conducted in the Hillenbrand Biomedical Engineering Center. [https://ssl.adpc.purdue.edu/ci/plsql/ci\\_anonymous.full\\_rec\\_facil?facilid\\_in=175&string\\_in=medical](https://ssl.adpc.purdue.edu/ci/plsql/ci_anonymous.full_rec_facil?facilid_in=175&string_in=medical)
- **Neuroscience** research encompasses many disciplines and techniques, ranging from molecular biology to psychophysics. The primary focus at Purdue is on molecular signaling, plasticity and development, and behavior and cognition. <http://www.psych.purdue.edu/~punweb/index.html>



## Rose-Hulman Institute of Technology

Ranked #1 by *U.S. News & World Report* for the third consecutive year as the nation's best engineering college or university, Rose-Hulman's excellence extends to its Applied Biology & Biomedical Engineering Department. In addition, other departments contribute education and research in biomedical areas including chemistry, computer sciences, optics, mechanical engineering, electrical engineering and computer engineering. Rose-Hulman feels it has found a special niche in commercialization by taking new ideas and making products out of them. To meet this goal it has a product development lab to complete rapid prototypes.

### *Academic Emphasis*

Rose-Hulman is home to the following departments and schools that are tied to biotechnology study and research:

- [The Department of Applied Biology and Biomedical Engineering](#) offers an undergraduate minor in applied biology, an undergraduate minor in biomedical engineering and the M.S. degree in biomedical engineering. An important long-term goal of the department is to create an undergraduate curriculum in applied biology.  
<http://www.rose-hulman.edu/Class/BioMed/dept.html>
- The [applied biology program](#) will produce biologists with the chemistry, mathematics and physics background needed to solve biotechnological problems in the coming decades. The program will prepare graduates for professional careers in government and industrial research laboratories, and in the biotechnology and health-related industries. <http://www.rose-hulman.edu/Class/BioMed/ABBE/bsprogram.htm>
- [The Chemistry Department](#) provides training and course work in a variety of biomedical-related areas. These areas include medicinal chemistry, biochemistry, pharmacology, pharmacognosy, organic chemistry (synthesizing pharmaceuticals), inorganic chemistry (chemical role of metals in biological systems), computational chemistry (using computers to design new drugs), materials chemistry (prostheses, artificial organs) and clinical chemistry (diagnosis and treatment information).  
<http://www.rose-hulman.edu/chemistry/>

### *Research Emphasis*

Rose-Hulman is home to many innovative research collaborations, including the following:

- Cook Biotech and Purdue University are working with Rose-Hulman on research to develop artificial arteries.
- Rose-Hulman and Cook Biological are researching tissue soldering using lasers and bio-chemicals that bond.
- The university and Roche Diagnostics are researching technology to isolate pancreatic cells with optics and software.

The university's research emphasis also includes:

- Bio-materials: construction for prosthetic devices and cardiovascular devices
- Mechanisms for polyethylene: hip and knee joint replacements
- Orthopedics: modular components and corrosion
- Optics, hearing, blood flow problems, physiology

## University of Notre Dame

Notre Dame's Department of Biological Sciences research programs receive more than \$9 million of funding from external resources, particularly from the National Institutes of Health (NIH) and the National Science Foundation (NSF).

The Department of Biological Sciences is housed in the Galvin Life Science Center. The facilities are excellent for most types of laboratory research in biology. Included are various high-tech apparatus, fully-equipped laboratories and the World Health Organization's *Aedes* Reference Center. In addition, the Freimann Life Sciences Center provides a modern animal care facility for research and teaching. Collaboration with other departments is encouraged through formally structured interdisciplinary programs, including biochemistry and biophysics, and with the Civil Engineering Department and the Radiation Laboratory.

### *Academic and Research Initiatives*

Faculty and students in the [Keck Center for Transgene Research](http://www.nd.edu/~transgen/), established in 1996, develop and use gene targeting technology to investigate the pathophysiological roles of the genes of the blood coagulation, anticoagulation and fibrinolytic pathways in hemostasis, with associated relevance to embryonic development, vessel wall development, cancer, pulmonary fibrosis and arteriosclerosis. (<http://www.nd.edu/~transgen/>) In August 1998, the center received a \$1.75 million grant from the W.M. Keck Foundation for the *in vivo* study of hemostasis.

The [Freimann Life Sciences Center](http://www.science.nd.edu/centers/flsc.html) (FLSC), founded in 1983, provides a model environment for the support of laboratory animals. Transgenic mice are bred at FLSC, as is the National Cancer Institute approved model for prostate cancer, the LOBUND Wistar rat, which was developed at Notre Dame. (<http://www.science.nd.edu/centers/flsc.html>)

Other collaborative partners within Notre Dame are:

- Walther Cancer Center (<http://cancerresearch.nd.edu/>)
- Optoelectronics and Photonics Laboratories (<http://www.nd.edu/~ee/research/labs.html>)
- LOBUND Laboratory, an internationally recognized germfree research facility since 1935 (<http://www.bio.nd.edu/biology/biology.html>)
- Lizzadro Magnetic Resonance Research Center (<http://www.science.nd.edu/centers/nmr.html>)
- Center for Tropical Disease Research Training

The [Bioengineering Laboratory](http://www.nd.edu/~cegeos/) currently conducts research on biologically-based periodic processes and technologies used for the remediation and treatment of contaminated liquids, gases and solids. Research focuses on the use of engineering alternatives to select, enrich and adjust the physiological state of the microbial communities involved in these periodic processes. (<http://www.nd.edu/~cegeos/>)



The [Center for Nano Science and Technology](http://www.nd.edu/%7Endnano/index.htm), established in 2000, explores new device concepts and associated circuit architectures that are enabled by novel phenomena on the nanometer scale. It catalyzes multidisciplinary research at the intersection between chemistry and biochemistry, physics, electrical engineering, and computer science and engineering. In recent years, federal grants total approximately \$10 million, including two major grants from DARPA and several other awards from NSF, ARO and ONR. (<http://www.nd.edu/%7Endnano/index.htm>)

The [South Bend Center for Medical Education](http://www.nd.edu/~sbcme/), located at the University of Notre Dame, is one of eight centers for medical education in the Indiana University Medical School system and offers programs leading to graduate degrees in biomedically oriented sciences in conjunction with the Notre Dame Graduate School. (<http://www.nd.edu/~sbcme/>)

## *Training for the Life Sciences Workforce*

The following is a small sample of educational and training programs, facilities and other resources available to Indiana businesses through state and academic sources.

### **State Programs**

#### *Skills 2016*

With the rising use of advanced technology in manufacturing activities, education and training have become a major industry issue. Indiana's Skills 2016 program provides financial assistance to companies committed to training and/or retraining their workforce in the newest procedures or processes. The primary providers of Skills 2016 are the Indiana Department of Commerce and the Indiana Department of Workforce Development.

This program has several components, including:

- *Skills Enhancement Fund*: The Indiana Department of Commerce awards Skills Enhancement Funds to Indiana companies that undertake capital-investment projects. The grants help defray the costs of training new and current employees in basic work skills and company-specific skills necessary to support the projects.
- *Advance Indiana*: The Department of Workforce Development administers several programs including:
  - *Gain Education and Training*: These grants assist in the development of employee transferable skills, which advance employees' general value in the workforce.
  - *Regional Skills Alliance*: The program encourages collaborations between small and medium sized organizations to coordinate training. The program assists in the attainment of recognized skill credentials.
  - *Workforce Investment Now*: This program is designed to help employees gain transferable skills. The grant is primarily used to assist companies that have recognized risk factors including seasonal layoffs and production reductions.
- *TECH Fund*: The \$1 million Technology Enhancement Certification for Hoosiers Fund is designed specifically to help workers gain new technology skills. The program, which was started in 2000, will lead to the technology certification of thousands of workers each year.

#### *Industry Proficiencies and Certificates of Technical Achievement*

Through the involvement of hundreds of its employers and their workforces, Indiana has developed technical proficiencies in eight major occupational areas: Advanced Manufacturing, Bioscience, Business Support, Electronics, Health, Metalworking, Plastics and Printing. Individuals are able to earn Certificates of Technical Achievement based on the proficiencies identified. These certificates go beyond traditional resumes and document what a person actually knows and is capable of doing, regardless of how and when

the person learned the skills. They are “open transcripts” that are updated as new skills are acquired and will follow a person throughout his or her career, confirming an individual’s skills to employers. Employers find the system useful in developing job descriptions, hiring new employees and assessing employee performance. Currently, 87 implementation sites across Indiana offer Certificates of Technical Achievement, with all of Indiana scheduled to have access to the certificate program.

### *Project Lead The Way*

Project Lead The Way is a national program from the Rochester Institute of Technology that seeks to prepare an increasing and more diverse group of students to be successful in engineering and engineering technology. Project Lead The Way forms a dynamic partnership among middle schools and high schools, colleges, universities and the private sector to address the need for highly skilled technology workers. The program is applicable for many careers other than engineering, as it stresses the critical thinking and problem solving that are required for success in today’s workforce.

Indiana was one of the first states to embrace Project Lead The Way and is one of the nation’s leading participants in the program. Fifty Indiana high schools and middle schools are active in the program in 2002. Support from Purdue University is enabling a diversified range of subjects, including a soon-to-be-implemented biomedical program.

For more information, go to the Indiana Project Lead The Way Web site at <http://www.pltw.purdue.edu>.

### *Tech Prep*

Indiana businesses and manufacturers can benefit from the state’s usage of the federal high school Tech Prep program. Tech Prep focuses on providing students with the essential academic and technical skills necessary for 21st-century careers and a lifetime of learning. Through the program’s hands-on, applied instruction, academic skills have direct connections with job skills, allowing students to see the application and relevance of their schoolwork to their future occupations. Articulation agreements with post-secondary institutions encourage students to pursue additional training beyond the secondary level. Tech Prep builds a strong bond between students, educators and the needs of industry while developing a specific interaction between schools and local businesses.

## University Programs

### *Community College of Indiana*

Created in 1999 to respond to the skilled workforce needs of the business community in the state, the college is uniquely different from other community college systems throughout the United States because it is a partnership between two existing institutions: Ivy Tech State College and Vincennes University. The new community college builds on Ivy Tech's strong technical foundation and on Vincennes' solid, liberal arts education. Indiana's community college allows students to earn an associate's degree or a certificate. The college offers non-degree, general education, continuing education and technical programs for individuals who do not wish to seek a degree but desire to enhance their knowledge or improve their productivity in the workforce.

### *University of Indianapolis Manufacturing Technology Program*

In 1999, the University of Indianapolis established a Manufacturing Technology degree program. Developed collaboratively by Dr. Robin Livesay, area business leaders and manufacturing support experts, the program offers a wide range of growth and technical skills to managers and employees alike.

### *The Resource Centre, Purdue University-Calumet*

With the support of private industry, the Resource Centre provides customized, professional education and training programs to business, industry and individuals. Training is offered in such areas as computers, management skills, Total Quality Management, team building, problem solving, engineering, safety and healthcare. These customer-driven programs can be offered on or off campus and are available in either a credit or noncredit format.

## *Solutions to Your Technical Problems*

Indiana companies have access to an increasing range of networks, technology centers and programs that provide practical solutions and innovations to address a full range of problems faced by today's manufacturers. The following illustrate just a portion of the support provided by both the public and private sectors:

**Ball State Technical Services:** Technical service assistance in key industries supporting the biomedical industry is provided in two particular areas. The Plastics Research Center provides applied research and problem solving in device development, and the Software Engineering Center provides similar support for computer systems problem solving. The Adult Fitness Program, designed to encourage personal fitness, has an extensive database relating to the health status of individuals documented over a period of three decades. <http://www.bsu.edu/pres/up/plastics/center.html> or <http://www.serc.net/>

**Indiana Biomedical Research Expertise:** The faculty of the Indiana School of Medicine is a major contributor to the nation's basic and clinical research. There are 21 research Centers of Excellence at the School of Medicine, including in the basic health areas of alcohol abuse, Alzheimer's disease, arthritis, aging, primary care, cancer, diabetes, hypertension, health care delivery, cardiology, sexually-transmitted diseases and women's health. <http://www.medicine.iu.edu/>

**Indiana Business Modernization and Technology Corporation (BMT):** BMT is a comprehensive, full-service business resource for Indiana companies. A National Institute of Science and Technology (NIST) Manufacturing Extension Partnership Center, BMT serves as a gatekeeper to other accredited manufacturing and business resources. It also works in unison with national research facilities, like Oak Ridge National Laboratory (ORNL) and NASA, plus regional and local institutions. **To assist with continuous improvement efforts,** BMT offers a complete range of:

- **Quality services**, including basic quality documentation, ISO 9000, ISO 14000, QS-9000, AS 9100, internal auditing, and Baldrige
- **Lean manufacturing**, including value stream mapping, plant layout, and eBusiness tools
- **Marketing**, strategic planning and implementation

BMT provides access to the complete array of national laboratories that address almost every aspect of the scientific and engineering realm. Services include: (1) Helping your company develop new products and improve manufacturing processes; (2) Assessing your company's needs and facilitating locating appropriate technology solutions; (3) Providing microelectronics design; (4) Using application specific integrated circuits (ASIC), field programmable gate arrays (FPGA) and microprocessor based applications; (5) Performing proof of concept (POC) on all designs; (6) Providing hardware and software for clients' use at the center. <http://www.bmtadvantage.org/>

**Indiana Microelectronics Center (IMC), Fort Wayne:** The IMC provides microelectronics design with emphasis on product development and fast time-to-market prototyping. IMC can rapidly apply a variety of technologies, such as Application Specific Integrated Circuits (ASIC), Field Programmable Gate Array (FPGA) and microprocessor-based applications to existing or planned projects. These and other technologies help companies achieve the benefits of being first to the market, reducing costs, and increasing product reliability and performance. <http://serv1-r.fwi.com/imc/>

**Notre Dame Technical Assistance to Companies in Biomedical Manufacturing or Research:** In addition to training and educating students for a future in the workplace, Notre Dame is committed to sharing its knowledge with those currently competing there. For example, the Industrial Assessment Center (IAC) at Notre Dame assists area manufacturers in identifying and applying technology to reduce energy consumption and minimize wastes, thereby lowering production costs. <http://www.nd.edu/~ndiac/>

**Purdue Partnerships:** Purdue has a strong tradition of collaboration with industry. The university has established strategic partnerships with several large and small companies. Strategic Master Contracts have been established to facilitate project initiation and collaboration. University Cost Centers have been developed to allow industry access to special Purdue facilities when they are available; each cost center has an individual calculated fee. <http://www.purdue.edu/research/IRTPOffice/IRTP-home.html>

## *Indiana's Business Costs*

Indiana is a cost-effective location for all sectors of the biomedical and life sciences industries. A comparison of labor costs, including disability insurance and employer-paid unemployment insurance, demonstrates Indiana's advantages.

### Recurring Employment & Payroll Costs & Other Insurance Costs

<b>Category: Instruments (includes electromedical devices)</b>	<b>Indiana</b>	<b>New York</b>	<b>Massachusetts</b>	<b>Minnesota</b>
Average Annual Wage Per Employee (2000)	\$31,019	\$45,727	\$45,045	\$35,512
Estimated Annual Payroll (100 employees)	\$3,101,900	\$4,572,700	\$4,504,500	\$3,551,200
<b>Unemployment Insurance Costs</b>				
Average UI Tax Rate Per Employee	\$84.00	\$255.00	\$248.40	\$0.00
UI Payroll Tax (1 Year)	\$8,400	\$25,500	\$24,840	\$0.00
<b>Workers' Compensation Costs</b>				
WC Rate Per \$100 Payroll Code 3685	\$0.67	\$2.23	\$1.17	\$1.53
WC Premium Annual (No Discount)	\$20,783	\$101,971	\$52,703	\$54,333
<b>Total Estimate Recurring Costs (Including Payroll, UI &amp; WC)</b>	<b>\$3,131,083</b>	<b>\$4,700,171</b>	<b>\$4,582,043</b>	<b>\$3,605,533</b>

<b>Category: Pharmaceutical &amp; Surgical Goods</b>	<b>Indiana</b>	<b>North Carolina</b>	<b>Pennsylvania</b>	<b>Florida</b>
Average Annual Wage Per Employee (2000)	\$31,019	\$31,011	\$33,609	\$30,018
Estimated Annual Payroll (50 employees)	\$1,550,950	\$1,550,550	\$1,680,450	\$1,500,900
<b>Unemployment Insurance Costs</b>				
Average UI Tax Rate Per Employee	\$84.00	\$102.90	\$288.00	\$70.00
UI Payroll Tax (1 Year)	\$4,200	\$5,145	\$14,400	\$3,500
<b>Workers' Compensation Costs</b>				
WC Rate Per \$100 Payroll Code 4693 PA Code 487	\$0.98	\$1.59	\$2.23	\$3.29
WC Premium Annual (No Discount)	\$15,199	\$24,654	\$37,474	\$49,380
<b>Total Estimate Recurring Costs (Including Payroll, UI &amp; WC)</b>	<b>\$1,570,349</b>	<b>\$1,580,349</b>	<b>\$1,732,324</b>	<b>\$1,553,780</b>

*Note:* These tables are for comparison purposes only. Actual costs will vary. WC rates do not allow for adjustments such as mod rates, premium discounts or any special state discount. Rates will be adjusted according to company employment history.

<b>Category: Drugs, Medicine, Pharmaceuticals</b>	<b>Indiana</b>	<b>Illinois</b>	<b>Pennsylvania</b>	<b>New York</b>
Average Annual Wage Per Employee (2000)	\$31,019	\$38,429	\$33,609	\$45,727
Estimated Annual Payroll (200 employees)	\$6,203,800	\$7,685,800	\$6,721,800	\$9,145,400
<b>Unemployment Insurance Costs</b>				
Average UI Tax Rate Per Employee	\$84.00	\$198.00	\$288.00	\$255.00
UI Payroll Tax (1 Year)	\$16,800	\$39,600	\$57,600	\$51,000
<b>Workers' Compensation Costs</b>				
WC Rate Per \$100 Payroll Code 4825	\$0.33	\$0.00	\$0.98	\$2.01
WC Premium Annual (No Discount)	\$20,473	\$0.00	\$65,874	\$183,823
<b>Total Estimate Recurring Costs (Including Payroll, UI &amp; WC)</b>	<b>\$6,241,073</b>	<b>\$7,725,400</b>	<b>\$6,845,274</b>	<b>\$9,380,223</b>

### *Low workers' compensation costs in Indiana are no accident.*

The best method for reducing workers' compensation is preventing accidents. Several states, including Indiana, now allow non-risk-based discounts implemented on a variety of factors including, but not limited to: on-site medical facilities, safety devices, training and management safety organizations. While other states limit their total discount to 25%, Indiana will allow a maximum discount of up to 50%.

### *Market competition means the best rates for workers' compensation.*

Indiana allows businesses to shop for the best workers' compensation rates among various insurance companies. For this to be financially beneficial to employers, however, there needs to be substantial competition. There are *652 different* insurance companies offering workers' compensation coverage in Indiana. Not only is this one of the highest totals in the nation, but new insurance carriers are coming to Indiana in record numbers. This competitive market is just one of the reasons Indiana companies often enjoy better rates and service than their out-of-state competitors.



## *Exporting Excellence*

Indiana's manufactured goods are in high demand in the global marketplace. Our companies produce high-quality products for a wide range of industries and are sought after to meet the needs of international customers.

Since the beginning of 1989, both Indiana and the United States have experienced strong export growth. In 2000, Indiana exported more than \$15 billion in goods to the world – an all-time high. Recent economic trends coupled with the events of September 11, 2001 caused a downturn in exports in late 2001, but despite that fact, Indiana exports have almost doubled in the past decade. The top destinations for Indiana exports in recent years have been Canada, Mexico, the United Kingdom and Japan.

The Indiana Department of Commerce International Trade Division (ITD) helps Indiana companies expand into markets around the world through a network of 13 overseas offices. Those offices are located in Argentina, Brazil, Canada, Chile, China, Eastern Mediterranean Region, Europe, Japan, Korea, Mexico, South Africa, and Taiwan. Indiana is also represented by a liaison office in Singapore.

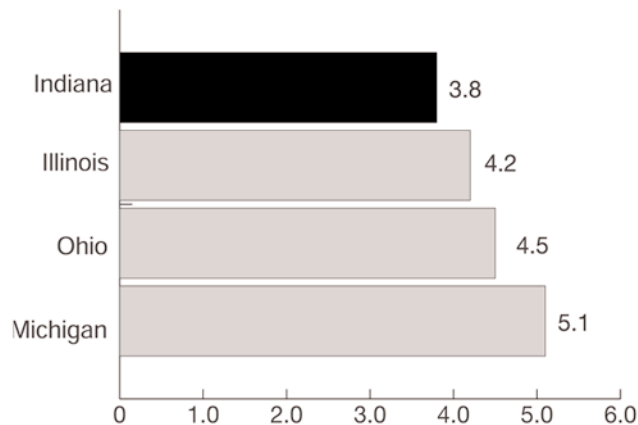
ITD recognizes that many Indiana companies, no matter how competitive or profitable, can use assistance in entering or expanding in the global marketplace. To help businesses access world markets, ITD provides on-site export counseling and market research, trade finance expertise, and trade show assistance.

For more information, call ITD at 317.233.3762 or visit the Web site <http://www.indianacommerce.com/trade>.

## *Accessing Affordable, Reliable Energy*

Energy consumption continues to be a major component of any business' total operating budget. Indiana offers the 13th-lowest electricity costs and the eighth-lowest energy prices in the nation. As the following chart shows, Indiana offers the lowest industrial sector energy costs in the Midwest.

**Average Price of Energy: Industrial Sector Electric Rates, 2000 (Cents/kWh)**



*Source: Energy Information Administration, 2001*

Utilities in Indiana work in a variety of ways with new and existing Indiana companies to improve their profitability. They provide innovations such as incentive rates, demand-side management programs, and consultation on equipment selection and technology. In Indiana, utilities team with the State to do what it takes to help companies grow and thrive. Indiana's utilities are dedicated to forging vital relationships with their customers.

The Energy Policy Division (EPD) of the Indiana Department of Commerce promotes economic development by encouraging the responsible use of natural resources and assisting corporate and private citizens in increasing their energy efficiency. The grant and loan programs offered by EPD include:

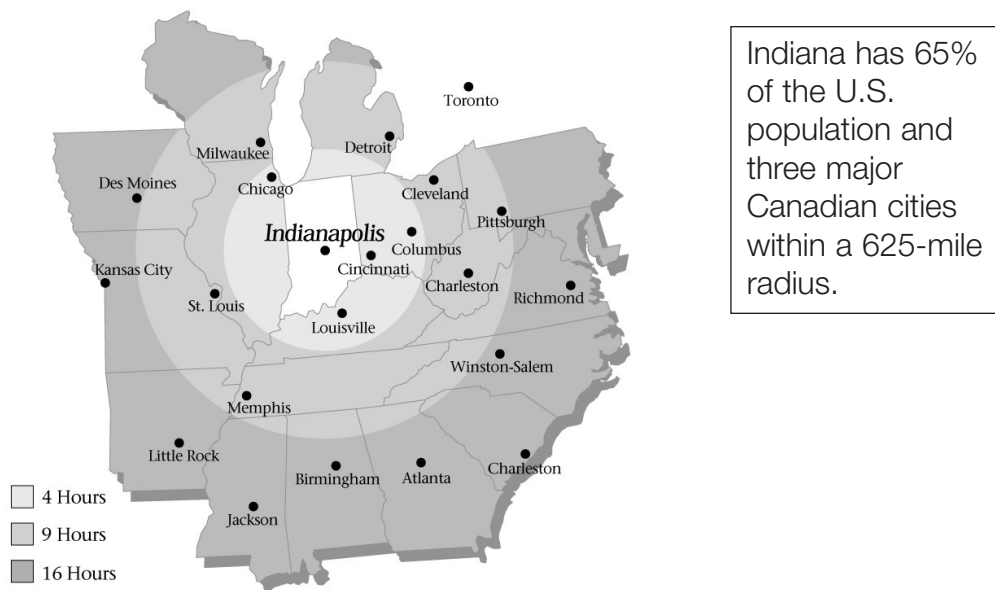
- The [Alternative Power & Energy Grant Program](#) enables Indiana businesses, non-profit institutions and units of local government to install and study alternative and renewable energy system applications in areas such as power generation, heating and cooling.
- The [Recycling Promotion and Assistance Fund \(RPAF\)](#) provides zero-interest loans to Indiana businesses that process recyclable materials into a manufacturing feedstock or that manufacture products from these feedstocks.

- The [RPAF Attraction/Expansion for Priority Materials](#) offers loans up to \$1 million to large, successful recycled-content product or feedstock manufacturers that use priority recyclable materials.
- The [Three R's \(Reduction, Reuse and Recycling\) Assessment](#) grant helps manufacturing and commercial businesses assess their facilities' source reduction, recycling, reuse and/or use of recycled-content materials.
- The [Industrial Energy Efficiency Fund](#) offers zero-interest loans to help Indiana businesses increase the energy efficiency of their manufacturing processes.

For more information about any of EPD's programs, call 317.232.8940 or visit the Web site <http://www.indianacommerce.com/energy>.

## *Indiana's Infrastructure Advantage*

Indiana has long been referred to as the “Crossroads of America.” The state’s well-developed transportation system makes it easy to reach major markets. From Indiana, 65% of the nation’s markets can be reached in a single day by truck and two days by rail. Indiana’s ports also provide easy access to international markets.



## **Quality Highways**

Indiana’s infrastructure system is the backbone of the state’s economy. Indiana offers more than 1,170 miles on eight different interstate highways in all regions of the state, plus an additional 1,850 miles of other multi-lane highways.

## **Railroads**

Indiana has one of the highest concentrations of rail service routes in the country. Mainline service is found throughout the state, and 90 of the state’s 92 counties are served by at least one carrier. Indiana has more than 4,700 miles of mainline railroads with service by five Class I and three Class II carriers. An additional 36 Class III carriers offer service over 1,100 miles of track. (Rail mileage figures exclude sidings, yards, etc.) Several major intermodal facilities can be found in the state, and all classes of carriers are working to further expand these shipping services.

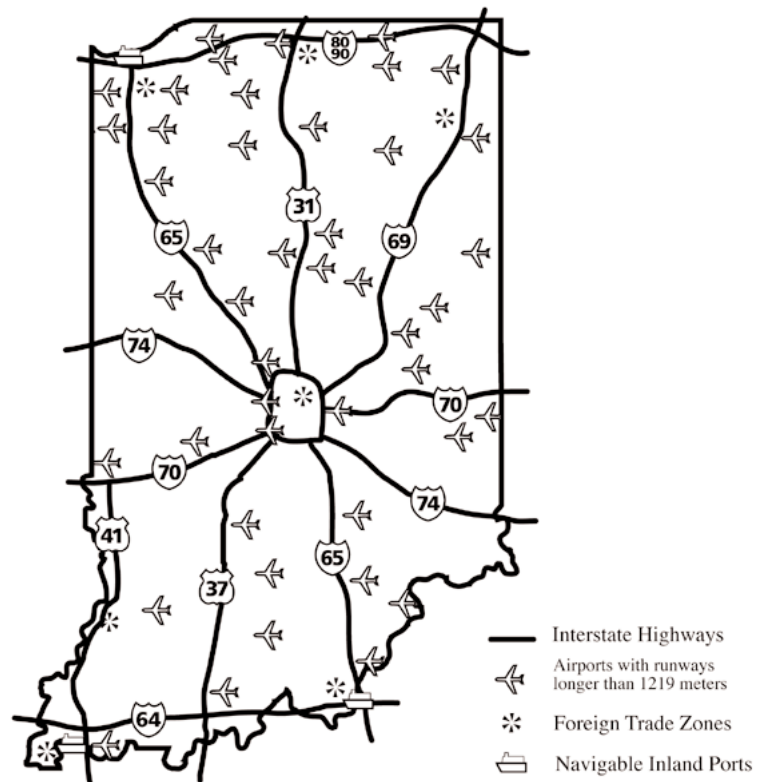
## Airports

Indiana has five major airports with at least one runway measuring 7,100 feet or greater and capable of handling all types of the largest cargo-carrying aircraft: Evansville Regional, Fort Wayne International, Terre Haute International, Indianapolis International and Michiana Regional Transportation Center (South Bend). The state also has 10 additional airports with runways at least 5,500 feet long and Instrument Landing Systems (ILS) capable of providing regular commercial freight service. These airports are regionally located throughout the state, offering easy access to all locations in Indiana. There are also 20 other airports with at least one 4,300-foot runway for handling smaller commercial aircraft. Most of these airports have some type of instrument landing system, and several employ ILS.

## Ports

Indiana's International Port/Burns Harbor at Portage is located on Lake Michigan just 18 miles east of Chicago. This is the only deep-water port built specifically for St. Lawrence Seaway traffic. The International Port also has a "RORO" (roll on-roll off) berth and a special cargo heavy-lift berth that adds further support to shippers.

Indiana's two other full-service ports are on the Ohio River: Southwind Maritime Centre in Mount Vernon (in southwest Indiana) and Clark Maritime Centre in Jeffersonville (southeast Indiana). Clark is the newest and most advanced port on the Inland Waterway System, offering lift capabilities of up to 450 tons. All three public ports are Foreign Trade Zones, have excellent intermodal connections (highway, rail and water) and boast an exceptional labor force.



### *Did you know?*

The world's leading air cargo and package services operate major facilities in Indiana, including Federal Express, the U.S. Postal Service, American International Freightways and Towne Air Freight.

## *For More Indiana Information*

### **State Information Center**

<http://www.in.gov/ai/gov/agencycomplete.html>

One-stop resource for information about more than 70 state agencies.

*In state: 800-45-STATE; TTY 800-743-3333*

*Out of state: 317-233-0800*

### **Indiana Department of Commerce**

<http://www.indianacommerce.com>

Offers assistance to businesses that are relocating, expanding or growing in Indiana.

*Business Development Division: 800-463-8081 or 317-232-8888*

*Community Development Division: 317-232-8911*

*Energy Policy Division: 317-232-8940*

*International Trade Division: 317-233-3762*

*e-Commerce Division: 317-232-4768*

*Tourism and Film Development: 317-232-8860*

### **Indiana Development Finance Authority**

<http://www.in.gov.idfa/>

Helps Indiana companies obtain financial assistance through loan guaranty programs, tax-exempt private activity bonds for industrial development and flexible lending through credit-enhancement programs.

*317-233-4332*

### **Indiana Department of Workforce Development**

<http://www.dwd.state.in.us/>

Works with business, labor and educators to build state-of-the-art education and training systems to develop Indiana's workforce.

*800-437-9136 or 317-232-7436*

### **Indiana Department of Environmental Management**

<http://www.state.in.us/idem>

Monitors and enforces environmental regulations for the State of Indiana, offering confidential compliance and technical assistance. IDEM also works with industry on issues ranging from compliance and permits to pollution prevention.

*Main switchboard: 800-451-6027 or 317-232-8603 and press "0"*

*Business Liaison: 800-451-6027, press "0" and ask for ext. 2-8589, or 317-232-8589*

### **Indiana Department of Labor**

<http://www.state.in.us/labor>

Monitors compliance with occupational health and safety requirements, overseeing Indiana's wage, hour and child-labor laws as well as safety. The department also offers businesses free, on-site safety and health consultations through the Bureau of Safety Education and Training.

*317-232-2655*

**Indiana Occupational Safety and Health Administration (IOSHA)**

<http://www.osha.gov/>

Monitors compliance with occupational health and safety requirements.

317-232-2693

**Secretary of State—Corporations Division**

<http://www.in.gov/sos>

Works with entities that want to incorporate in Indiana.

317-232-6576

**Indiana Department of Revenue**

<http://www.in.us/dor>

Indiana state tax information.

*Withholding Division: 317-233-4016*

*Sales Tax Division: 317-233-4015*

*Corporate Tax Division: 317-615-2662*

**State Board of Tax Commissioners**

<http://www.in.gov/taxcomm>

Administers the assessment of property taxes in Indiana.

317-232-3777

**Workers' Compensation Board**

<http://www.in.gov/wkcomp>

Answers questions regarding private insurance coverage for workers' compensation.

800-824-2667 or 317-233-3910

**Indiana Port Commission**

<http://www.portsofindiana.com/>

Facilitates industrial development at each of Indiana's three international ports and develops new relationships with shippers and carriers throughout the world to assist Indiana's port users.

317-232-9200

**Indiana Business Modernization and Technology Corporation**

<http://www.bmtadvantage.org>

Provides assistance for Indiana companies planning to update operations.

317-635-3058

**Indiana Small Business Development Corporation**

<http://www.isbdcorp.org/>

Assists businesses by offering conferences and counseling. The agency also identifies contracting opportunities with the government, assists growth-oriented companies in approaching new market opportunities, and serves as a statewide advocate for women- and minority-owned businesses.

317-264-2820

**Small Business Development Center**

<http://www.sbdcbiz.com>

Provides one-on-one consultations to analyze businesses and their needs, define opportunities, and help develop a plan to achieve business goals.

317-264-2820



## **Animal & Ag-Sciences**

### **Agdia, Inc.**

30380 County Rd 6

Elkhart, IN 46514

219-264-2014

<http://www.agdia.com/>

Test kits, reagents, lab testing services  
for agricultural diagnostics

### **Central Soya**

110 W Berry St # 1500

Fort Wayne, IN 46802

219-425-5260

<http://www.centralsoya.com/>

Life sciences

### **Dow AgroSciences** (Global HQ)

9330 Zionsville Road

Indianapolis, IN 46268

317-337-3000

<http://www.dowagro.com/>

Biotechnology R & D

### **Elanco Animal Health**

500 E. 96th St

Indianapolis, IN 46240

317-276-2000

<http://www.elanco.com/>

Antibiotics, growth hormones.

### **Hawthorne Products, Inc.**

16828 N State Rd 167N

Dunkirk, IN 47336

765-768-6585

<http://www.hawthorneproducts.com/>

Horse health products

### **Moseley Laboratories, Inc.**

3862 E Washington St

Indianapolis, IN 46201

317-359-9528

<http://www.vivolac.com/>

Quality control testing

### **Omco, Inc.**

214 Mill St.

Odon, IN 47562

812-636-7362

Manufactures vitamin supplements  
for horses

### **Pfizer Inc.**

100 Pfizer Dr

Terre Haute, IN 47802

812-299-2121

<http://www.pfizer.com/>

Pharmaceuticals

### **Valley Research, Inc.**

P.O. Box 750

South Bend, IN 46624

574-232-5000

<http://www.valleyenzymes.com/default.asp>

Research, development & manufacturing:  
food enzymes

### **Vivolac Cultures Corp.**

3862 E Washington St

Indianapolis, IN 46201

317-359-9528

Manufactures dairy & probiotic cultures

## Electromedical & Irradiation Apparatus

### **Ad-Vance Magnetics, Inc.**

625 Monroe St  
Rochester, IN 46975  
219-233-3158

<http://www.advancemag.com/>

Magnetic shielding

### **Bayer Corporation**

1884 Miles Ave  
Elkhart, IN 46514  
219-262-7788

<http://www.bayer.com/>

Manufactures over-the-counter  
pharmaceuticals, diagnostics

### **Biosound, Inc.**

8000 Castleway Dr  
Indianapolis, IN 46250  
317-849-1793

<http://www.biosound.com/>

MRI equipment

### **Biosterile Technology**

7615 DeSalle Blvd  
Fort Wayne, IN 46825  
888-710-3792

<http://www.biosterile.com/>

Sterilization of medical devices and  
hazardous medical material/waste

### **Carson Laser, Inc.**

2785 E State Road 32  
Winchester, IN 47394  
765-584-7807

<http://www.carsonlaser.com/>

Laser equipment

### **Catheter Research, Inc.**

6131 W 80th St  
Indianapolis, IN 46278  
317-872-0074  
Contract research & development

### **Cook Biotech Inc.**

3055 Kent Avenue  
West Lafayette, IN 47906  
888-299-4224

[http://www.cookgroup.com/cook\\_biotech](http://www.cookgroup.com/cook_biotech)

Tissue engineering

### **CXR Co., Inc.**

2599 N Fox Farm Rd  
Warsaw, IN 46580  
219-269-6020

<http://www.cxrcompany.com/>

X-ray equipment

### **DECM Corp.**

78219 W. 92nd St  
Zionsville, IN 46070  
317-873-4342  
X-ray & shielding equip.

### **Diversifiedsystems, Inc.**

3939 W 56th St  
Indianapolis, IN 46254  
317-299-9547

<http://www.divsys.com/>

Printed circuit boards/equipment,  
prototyping

### **FluorRx**

6788 Hawthorn Park Drive  
Indianapolis, IN 46220  
317-915-7885

<http://www.fluorrx.com>

POC products, FLT sensing instruments

### **Focus Surgery, Inc.**

3940 Pendleton Way  
Indianapolis, IN 46226  
317-541-1580

<http://www.focus-surgery.com>

Non-invasive ultrasound guided surgical  
devices and technologies (for treatment of  
urological diseases)

## Electromedical & Irradiation Apparatus (cont.)

### **GDS Technology Inc.**

25235 Leer Dr  
Elkhart, IN 46514  
219-264-7384

<http://www.gdstech.com>

Diagnostic tests and liquid reagent tests:  
blood separation technology, enzyme  
technology, etc.

### **Golden Engineering Co.**

6364 Means Rd  
Centerville, IN 47330  
765-855-5559

<http://www.goldenengineering.com/>

Portable x-ray equipment

### **Lebanon Corporation**

1720 N Lebanon St  
Lebanon, IN 46052  
765-482-7273  
Ophthalmic equipment

### **MED Institute**

1400 Cumberland Ave.  
Lafayette, IN 47906  
765-463-7537

<http://www.cookgroup.com/>

Development of medical equipment

### **Medreco, Inc.**

757 S State Road 101  
Liberty, IN 47353  
765-458-7444  
Therapeutic equipment

### **OEC Medical Systems**

501 Argonne Rd  
Warsaw, IN 46580  
219-269-1120

<http://www.oecmed.com/>

Portable X-ray/surgical tables

### **Opto Sonics, Inc.**

7210 Georgetown Rd Suite 400  
Indianapolis, IN 46268  
317-228-9619  
Electromedical & irradiation apparatus

### **Panoramic Corporation**

4321 Goshen Rd  
Fort Wayne, IN 46818  
219-489-2291

<http://www.pancorp.com/>

X-ray equipment

### **Pie Medical**

8000 Castleway Drive  
Indianapolis, IN 46250  
800-927-0708

<http://www.piemedicalusa.com/>

Ultrasound scanners

### **Polymer Technology Systems**

7736 Zionsville Rd  
Indianapolis, IN 46268  
800-947-9227

<http://www.diabetes-testing.com>

Diagnostic equipment. -"Whole blood  
chemistry data"- focus on diabetes and  
heart disease: includes test strips for  
glucose, cholesterol, triglycerides,  
and ketones

### **Rapid Processor Service**

1815 Washington St  
Michigan City, IN 46360  
800-712-4200

<http://www.rpsimaging.com/>

X-ray service/supply

### **Roche Diagnostics**

9115 Hague Rd  
Indianapolis, IN 46256  
317-845-2000

<http://us.diagnostics.roche.com/>

Diagnostic

### **Supertech, Inc.**

1806 Grant St  
Elkhart, IN 46514  
800-654-1054

<http://www.supertechx-ray.com/>

X-ray accessories

## Electromedical & Irradiation Apparatus (cont.)

### **XTEC, Inc.**

2573 W 500 S # 57

Columbia City, IN 46725

219-244-5400

[www.xtecxray.com](http://www.xtecxray.com)

X-ray machinery

## Medical Devices & Instruments

### **Action Brace & Prosthetics, Inc.**

5942 W. 71 St.

Indianapolis, IN 46278

317- 347-4227

Manufactures orthopedic, prosthetic  
& surgical appliances

### **Applied Laboratories, Inc.**

3240 N. Indianapolis Rd

P.O. Box 448

Columbus, IN 47202

812-372-2607

<http://www.appliedlabs.com>

Manufactures pharmaceutical and medical  
devices

### **Ash Medical**

2700 Kent Ave

West Lafayette, IN 47906

765-463-9540

<http://www.ashmedical.com/>

Biomedical, clinical therapy, hemodialysis,  
catheter design, blood treatment

### **Bayer Corporation**

430 S Beiger St

Mishawaka, IN 45644

219-256-3200

<http://www.bayer.com/>

Medical and diagnostic instruments

### **Becton Dickinson Diagnostics**

5304 West 74th St

Indianapolis, IN 46268

317-328-3400

<http://www.bd.com/>

Manufacturers/sells medical devices/  
supplies (syringes, needles, surgical  
blades, etc.)

### **BioCrom Labs Inc.**

1719 S 13th St

Terre Haute, IN 47808

812-234-2558

<http://www.biochrom.com>

Polymeric materials

### **Carr Metal Products, Inc.**

3735 N Arlington Ave

Indianapolis, IN 46218

317-542-0691

<http://www.imdmc.org/members/carr.html>

Precision sheet metal & thermoformed  
plastics - products focus on needs  
of health industry

### **Chematics, Inc.**

State Road 13 S

North Webster, IN 46555

219-834-2406

<http://www.chematics.com>

Medical devices: BAC testing, cholesterol  
testing, etc.

### **Cook Biotech Inc.**

3055 Kent Avenue

West Lafayette, IN 47906

888-299-4224

[http://www.cookgroup.com/cook\\_biotech](http://www.cookgroup.com/cook_biotech)

Tissue engineering

### **Cook Urological**

1100 W Morgan St

Spencer, IN 47460

812-829-4891

<http://www.cookurological.com/>

Urological products

### **Coretech, Inc.**

542 E 200 N

Warsaw, IN 46582

219-267-5744

Manufactures aerospace components,  
medical, artificial & orthopedic joints

### **Degood Dimensional Concepts**

7815 N. State Road 13

North Webster, IN 46555

219-834-5437

Manufacture orthopedic materials

## Medical Devices & Instruments (cont.)

### **Diagnostic Cytology Laboratory**

9550 Suite 200 Zionsville Rd

Indianapolis, IN 46268

800-837-8254

<http://www.dcllab.com>

Cytopathology

### **Duramet Systems, Inc.**

7017 Lincoln Hwy E # C

Fort Wayne, IN 46803

219-493-6246

Orthotics

### **Etalon**

1600 W Main St

Lebanon, IN 46052

765-483-2550

<http://www.etaloninc.com/>

Transducers (flaw detection for devices)

### **F&F Machine Specialists**

55980 Russell Industrial Pkwy

Mishawaka, IN 46545

219-255-3173

<http://www.ffmpeg.com/>

Parts for life support systems, orthopedic surgical systems, etc.

### **Genesis Manufacturing, Inc.**

720 E Broadway St.

Fortville, IN 46040

317-485-7887

<http://www.genesisrf.com/>

Medical products, footwear, seat cushions, thermal control pads

### **Guidant**

111 Monument Cir Fl 29

Indianapolis, IN 46204

317-971-2000

<http://www.guidant.com/>

Cardiovascular therapeutic devices as well as surgical devices.

### **Haffner, Inc.**

1098 S 10th St

Noblesville, IN 46060

317-773-5171

<http://www.haffnerinc.com/>

Chiropractic equipment and supply

### **Hillenbrand Industries**

700 State Route 46 E

Batesville, IN 47006

812-934-7593

<http://www.hillenbrand.com>

Health care products and services

### **In Situ Research and Instruments**

125360 Durham Way East

Granger, IN 46530

219-273-3225

<http://www.in-situresearch.com/>

Catalyst research needs

### **JATECH Scientific, Inc.**

117 South Franklin St.

Knightstown, IN 46148

765-345-9109

Treatment systems for pathogenic and medical hazardous waste

### **King Systems Inc.**

15011 Herriman Blvd

Noblesville, IN 46060

317-776-6823

<http://www.kingsystems.com>

Critical care products and anesthesia

### **Lafayette Instruments**

3700 Sagamore Pkwy N

Lafayette, IN 47904

765-423-1505

<http://www.licmef.com/>

Life science instrumentation

### **Machining Concepts, Inc.**

3309 E. Center Street Ext

Warsaw, IN 46580

Orthopedic surgical & medical instruments

## Medical Devices & Instruments (cont.)

### **Maitland Engineering, Inc.**

2713 Foundation Dr  
South Bend, IN 46628  
219-287-0155  
Manufactures prosthetic & orthopedic devices

### **NGInstruments, Inc.**

4643 N. State Road 15  
Warsaw, IN 46581  
219-268-2112  
<http://www.nginstruments.com/>  
Manufacture surgical instruments

### **Omnitech Systems, Inc.**

456 Campbell St # C  
Valparaiso, IN  
219-531-5532  
<http://www.omnitechsystems.com/>  
Design & develop medical instruments

### **O & P Associates, Inc.**

5333 Commerce Square Dr  
Indianapolis, IN 46237  
Manufactures artificial limbs & braces

### **Opto Sonics, Inc.**

7210 Georgetown Rd  
Indianapolis, IN 46268  
317-299-4507  
<http://www.optosonics.com>  
TCT imaging

### **Orthotic & Prosthetic Lab, Inc.**

125 N Wibach Ave # 310  
Evansville, IN 47711  
812-479-6298  
Prosthetic & orthotic devices

### **Phillips Plastics**

703 Pro Med Lane, Ste 201  
Indianapolis 46032  
317-573-0905  
<http://www.phillipsplastics.com/>  
Plastic/metal molds, medical device manufacturing

### **Polygon Co.**

103 Industrial Park Drive  
Walkerton, IN 46574  
219-586-3145  
<http://www.polygoncompany.com/>  
Surgical components, bushings, bearings

### **Seven Harvest International**

1515 E 4th Street Rd  
Seymour, IN 47274  
812-523-3638  
<http://www.seymourtubing.com/>  
Medical supplies, respiratory therapy products

### **South Bend Controls**

3900 William Richardson Dr  
South Bend, IN 46628  
800-207-4722  
<http://www.sbcontrols.com/>  
Control valves used in medical & surgical equipment

### **Space Hardware Optimization Technology Inc.**

7200 Highway 150  
Greenville, IN 47124  
812-923-9591  
<http://www.shot.com>  
Biological equipment & experiments for NASA

### **Sroufe Health Care Products**

P.O. Box 347  
Ligonier, IN 46767  
219-894-4171  
Manufactures orthopedic soft goods, traction weights & heat-sealed dielectric products

### **Star Case Manufacturing Co., Inc.**

648 Superior Ave  
Munster, IN 46321  
219-922-4440  
<http://www.starcase.com/>  
Protective cases for medical and other industries

## Medical Devices & Instruments (cont.)

### **Technology Transfer Inc.**

3000 Kent Ave, Ste D2-100

West Lafayette, IN 47906

765-775-3787

<http://www.ttic.com>

Cardiac monitors



## Pharmaceuticals

### **Accra Pac Group, Inc**

1919 Superior Street  
Elkhart, IN 46515  
219-295-0000

<http://www.acrapac.com>

Liquid & aerosol packaging services

### **Advanced Process Combinatorics**

P.O. Box 2324  
3000 Kent Ave  
West Lafayette, IN 47996  
765-497-9969

<http://www.combination.com/>

Mathematical decision making trees–  
Lilly support

### **AIT Laboratories**

5601 Fortune Circle S. Ste C  
Indianapolis, IN 46241  
317-243-3894

<http://www.aitlabs.com/>

Lab analysis: drug and toxicology services

### **Alexon-Trend, Inc. (Seradyn)**

7998 Georgetown Rd # 1000  
Indianapolis, IN 46268  
317-610-3800

<http://www.alexon-trend.com>

Diagnostic products focused on infectious  
disease, autoimmune, and hormone and  
drug therapy monitoring

### **American Biogenetic Sciences, Inc.**

Douglas Rd  
South Bend, IN 46556  
219-271-3415

<http://www.mabxa.com/>

Diagnostic

### **American Pharmaceutical Services**

2513 W 2nd St  
Marion, IN 46952  
765-651-6385

<http://www.apsrx.com/>

Pharmaceutical-related services:  
consulting services, various programs/  
therapies & products

### **Analytical Control Systems, Inc.**

9058 Technology Dr  
Fishers, IN 46038  
317-841-0458

<http://www.analyticalcontrols.com/>

Quality controls and coagulation reagents

### **Applied Laboratories, Inc.**

3240 N. Indianapolis Rd  
P.O. Box 448  
Columbus, IN 47202  
812-372-2607

<http://www.appliedlabs.com>

Manufactures pharmaceutical and  
medical devices

### **Argonaut Technologies (Camille Products)**

9405 Delegates Row  
Indianapolis, IN 46204  
317-573-3880

<http://www.argotech.com>

Organic synthesizers, software and chemical  
resins, reagents

### **Bangs Laboratories, Inc.**

9025 Technology Dr  
Fishers, IN 46038  
317-570-7020

<http://bangslabs.com/>

Microspheres, medical diagnostics

### **Baxter Healthcare Corp.**

P.O. Box 3068  
Bloomington, IN 47404  
812-333-0887

<http://www.baxter.com/>

Manufacture pharmaceuticals

### **Bayer Corporation**

1884 Miles Ave  
Elkhart, IN 46514  
219-262-7788

<http://www.bayer.com/>

Manufacture over-the-counter  
pharmaceuticals, diagnostics.

## Pharmaceuticals (cont.)

### **Bindley Western Industries, Inc.**

8909 Purdue Road  
Indianapolis, IN 46268  
317-704-4000

<http://www.bindley.com/>

Pharmaceutical, med/surgical &  
lab products

### **Bioanalytical Systems, Inc.**

2701 Kent Ave  
West Lafayette, IN 47906  
765-463-4527

<http://www.bioanalytical.com/>

Sells analytical instruments, provides  
contract R&D services for pharmaceutical,  
medical device, and biotechnology  
companies

### **Blairex**

1600 Brian Drive  
P.O. Box 2127  
Columbus, IN 47202  
800-252-4739

<http://www.blairex.com/>

OTC drugs

### **Body Dynamics, Inc.**

9700 N Michigan Rd  
Carmel, IN 46032  
317-228-0000

<http://www.bodydynamics.com/>

Botanical products (medicinal)

### **Bristol-Myers Squibb**

2400 W Lloyd Expy  
Evansville, IN 47721  
812-429-7800

<http://www.bms.com/>

Pharmaceutical/health care products

### **Bristol-Myers Squibb**

3101 Highway 62  
Mt. Vernon, IN 47620  
812-429-7800

<http://www.bms.com/>

Pharmaceutical/health care products

### **Century Pharmaceuticals, Inc.**

10377 Hague Rd  
Indianapolis, IN 46256  
219-425-6353

<http://www.imdmc.org/members/century.html>

Pharmaceuticals

### **Chematics, Inc.**

State Road 13 S  
North Webster, IN 46555  
219-834-2406

<http://www.chematics.com>

Medical devices: BAC testing,  
cholesterol testing, etc.

### **Colorcon, Inc**

3702 E 21st St  
Indianapolis, IN 46218  
317-545-6211

<http://www.colorcon.com/>

Specialty chemical/coating systems  
for pharmaceuticals

### **COMCHEM Technologies, Inc.**

8496 Georgetown Rd  
Indianapolis, IN 46268  
317-876-3075

<http://www.comchemtech.com/>

Discovery and early stage development  
of pharmaceuticals and research

### **Covance, Inc.**

8211 Scisor Dr.  
Indianapolis, IN  
317-271-1200

<http://www.covance.com/>

Contract research organization (CRO)  
develops and carries out preclinical and  
clinical trials of potential commercial drugs

### **Creative Lab Products, Inc.**

6258 La Pas Trail  
Indianapolis, IN 46268  
317-293-2991

Medical diagnostics

## Pharmaceuticals (cont.)

### **Culture Systems, Inc.**

3224 N. Home St.  
Mishawaka, IN 46545  
219-258-0602  
Research & Development for bacterial  
culture products

### **CurXcel**

Purdue's Research Park  
West Lafayette, IN  
765-497-9884  
[www.curxcel.com](http://www.curxcel.com)  
Biotech company engaging in discovery  
& development of therapeutic drugs for  
neurological diseases and conditions

### **Diagnostic Cytology Laboratory**

9550 Zionsville Rd. Suite 200  
Indianapolis, IN 46268  
800-837-8254  
<http://www.dcllab.com>  
Cytopathology

### **Elan Pharmaceuticals**

6925 Guion Rd.  
Indianapolis, IN 46268  
[http://directory.bioexchange.com/company\\_detail.cf  
m?co\\_id=4013](http://directory.bioexchange.com/company_detail.cf?m?co_id=4013)  
Manufactures pharmaceuticals

### **Elanco Animal Health**

500 E. 96th St  
Indianapolis, IN 46240  
317-276-2000  
<http://www.elanco.com/>  
Antibiotics, growth hormones

### **Eli Lilly and Company**

PO Box 99  
Clinton, IN 47842  
765-832-4400  
<http://www.lilly.com/>  
Pharmaceuticals and agricultural products

### **Eli Lilly and Company**

PO Box 708  
Greenfield, IN 46140  
317-277-4000  
<http://www.lilly.com/>  
Pharmaceuticals and agricultural research

### **Eli Lilly and Company**

Lilly Corporate Center  
Indianapolis, IN (Headquarters) 46285  
317-276-2000  
<http://www.lilly.com/>  
Pharmaceutical research and development

### **Eli Lilly and Company**

1650 Lilly Rd  
Lafayette, IN 47909  
765-477-4300  
<http://www.lilly.com/>  
Pharmaceuticals and agricultural products

### **Endocyte**

1205 Kent Ave  
West Lafayette, IN 47906  
765-463-7175  
<http://www.endocyte.com>  
R & D drug delivery systems

### **Environmental Test Systems, Inc.**

23575 County Road 106  
Elkhart, IN 46514  
219-262-2060  
<http://www.etsstrips.com/>  
Chemical test strips

### **Enzyme Research Labs, Inc.**

412 S Lafayette Blvd  
South Bend, IN 46601  
219-288-2268  
<http://www.enzymeresearch.com>  
Research and development

### **Faulk Pharmaceutical Research**

Startup  
Indianapolis, IN  
[http://hla.stfrancishospitals.org/dr\\_faulk.html](http://hla.stfrancishospitals.org/dr_faulk.html)  
R&D drug delivery systems

## Pharmaceuticals (cont.)

### **GDS Technology Inc.**

25235 Leer Dr  
Elkhart, IN 46514  
219-264-7384

<http://www.gdstech.com>

Diagnostic tests and liquid reagent tests:  
blood separation technology, enzyme  
technology, etc.

### **Geist Pharmaceuticals**

20 North Meridian Street Suite 9500  
Indianapolis, IN 46204  
888-644-3478

<http://www.geistpharmaceuticals.com>

Maginex - dietary supplement

### **GFI Research (West Pharmaceuticals)**

6963 Hillsdale Ct  
Evansville, IN 46250  
812-474-6530

<http://www.westpharma.com/>

Indianapolis: R&D of OTC drugs/  
treatments; Evansville: human clinical trials

### **Great Lakes Chemical**

P.O. Box 2200  
West Lafayette, IN 47996  
317-715-3000

<http://www.greatlakeschem.com>

Specialized chemical products

### **Heraeus Kulzer, Inc.**

4315 S Lafayette Blvd  
South Bend, IN 46614  
219-291-0661

<http://kulzer.com>

Dental products

### **Houba, Inc.**

P.O. Box 190  
16235 State Road 17  
Culver, IN 46511  
219-842-3305

<http://www.halseydrug.com/>

Pharmaceuticals

### **Indiana Protein Technologies**

122 South Park Blvd  
Greenwood, IN 46143  
317-865-4770

<http://www.inprotein.com/>

Protein Research & Development

### **Integrity Pharmaceutical Corporation**

5767 Thunderbird Rd  
Indianapolis, IN 46236  
317-823-6878

<http://www.integritypharm.com/>

Manufacturer of pharmaceuticals for  
urology, obstetrics and gynecology

### **International Bioproducts, Inc.**

1106 E. Seymour St  
Muncie, IN 47302  
765-282-1530

<http://www.intlbioproducts.com/>

Manufactures biomedical kits for food  
testing industry

### **KP Pharmaceutical Technology**

1212 Rappel Dr  
Bloomington, IN 47404  
812-330-8121

<http://www.kppt.com>

Formulation development services, clinical  
trial material manufacturing services,  
analytical testing and stability studies  
monitoring

### **Lafayette Pharmaceuticals**

526 N Earl Ave  
Lafayette, IN 47904  
765-447-3129

[http://www.inovision.com/Lafayette\\_Pharmaceuticals/](http://www.inovision.com/Lafayette_Pharmaceuticals/)

Industrial inorganic chemicals

### **Liposome Manufacturing Co, Inc.**

6925 Guion Rd  
Indianapolis, IN 46268  
317-290-8108

<http://www.liposome.com/>

Lipid and liposome-based pharmaceuticals

## Pharmaceuticals (cont.)

### **Mays Chemical**

5611 E. 71st St  
Indianapolis, IN 46220  
317-842-8722

<http://www.mayschem.com>

Chemicals and raw materials for  
pharmaceutical/medical industry

### **Mead Johnson Nutritionals**

2400 W Lloyd Expy  
Evansville, IN Global HQ 47721  
812-429-5000

<http://www.meadjohnson.com>

Focus on infant formulas, vitamins and  
digestive-specific nutritionals

### **Memorial Health Systems**

615 N Michigan St  
South Bend, IN 46601  
219-284-7200

<http://www.homehealthoutlet.com/>

Home health care products

### **Microgen, Inc.**

3249 E. Worthville Road  
Greenwood, IN 46143  
317-888-8733

<http://www.microgeninc.com/microgen/shop/home.asp>

Contract research organization (CRO)  
outsources services to pharmaceutical  
companies, etc.

### **Nutritional Research Associates**

P.O. Box 354  
South Whitley, IN 46787  
800-456-4931

<http://www.latanet.com/e->

[source/!VENDORS.MZ/!NUTRIRE.HTM](http://www.latanet.com/e-source/!VENDORS.MZ/!NUTRIRE.HTM)

Vitamin concentrates: foods, feeds,  
carotene, carrot & wheat germ oil,  
pharmaceuticals, & small animal feeds

### **Omicron Biochemicals**

1347 N. Ironwood Drive  
South Bend, IN 46615  
219-287-6910

<http://www.omicronbio.com/>

Isotopes

### **Pfizer Inc.**

100 Pfizer Dr  
Terre Haute, IN 47802  
812-299-2121

<http://www.pfizer.com/>

Pharmaceuticals

### **Quality Accessories, Inc.**

9748 Indiana Parkway  
Munster, IN 46321  
219-922-8103

<http://www.qualityaccessories.com/>

Retail and lab eyeglass products

### **R2 Diagnostics, Inc**

412 S. Lafayette Rd  
South Bend, IN 46606  
219-288-4377

<http://www.r2diagnostics.com/>

Medical diagnostic testing kits

### **Radiopharmacy, Inc.**

1409 East Virginia St  
Evansville, IN 47711  
812-474-2142

<http://www.radiopharmacy.com>

Nuclear pharmacy

### **Roche Diagnostics**

9115 Hague Rd  
Indianapolis, IN 46256  
317-845-2000

<http://us.diagnostics.roche.com/>

Diagnostic

### **Rush & Hebble Co.**

6973 South U.S. Highway 31  
Bloomington, IN 47401  
317-244-8189

Pharmaceutical supplies

## Pharmaceuticals (cont.)

### **Schwarz Pharmaceutical Manufacturing**

1101 C Ave W

Seymour, IN 47274

812-523-3457

<http://www.schwarzusa.com>

Pharmaceuticals

### **Vesta Pharmaceuticals**

8768 E 33rd St

Indianapolis, IN 46226

317-895-9500

<http://www.vestapharm.com>

Manufacturer/distributor of dietary supplements

### **Serim Research Corporation**

P.O. Box 4002

Elkhart, IN 46514

800-542-4670

<http://www.serim.com/>

Dry reagent test strips - research, manufacturing & development

### **Spectrum Pharmacy**

1100 Airport North

Fort Wayne, IN 46825

219- 489-1173

<http://www.specpharm.com/>

Radiopharmaceuticals

### **Spectrum Pharmacy**

1301 Millburn

Mishawaka, IN 46544

574 -255-5072

<http://www.specpharm.com/>

Radiopharmaceuticals

### **SSCI**

3065 Kent Ave

West Lafayette, IN 47906

800-375-2179

<http://www.ssci-inc.com>

R&D: protocol development

### **Synermed**

17322 Westfield Park Rd

Westfield, IN 46074

317-867-5535

<http://www.synermed.co.uk>

Reagent systems

## Surgical & Medical Instruments

### **Accusil, Inc.**

1201 E 86th Pl  
Merrillville, IN 46410  
219-736-0400

<http://www.accusil.com/>

Medical devices & tubing

### **Anthony Products, Inc.**

7711 Records St  
Indianapolis, IN 46226  
317-543-3289

<http://www.anthonyproducts.com/>

ENT, plastic surgery equipment/instruments

### **Bio-Med Instruments, Inc.**

539 Turtle Creek South Dr # 41  
Indianapolis, IN 46227  
317-784-9609

<http://www.biomed-instruments.com/>

Hospital supplies/equipment

### **Biomedix, Inc.**

45 S Main St  
Spencer, IN 47460  
812-829-9667

<http://www.biomedix.com/>

Vascular diagnostic devices

### **Bivona, Inc.**

5700 W 23rd Ave  
Gary, IN 46406  
219-989-9150

<http://www.bivona.com/>

Voice restoration devices, respiratory access, ENT specialty devices

### **Boston Scientific Corp.**

780 Brookside Dr  
Spencer, IN 47460  
812-829-4877

<http://www.bsci.com/index.html>

Medical devices

### **Chapman Lake Instrument, Inc.**

2115 N Industrial Dr  
Bloomington, IN 47404  
812-323-7165

Medical instruments

### **Cook Group, Inc.**

P.O. Box 489  
Bloomington, IN 47402  
800-457-4500

<http://www.cookgroup.com/>

Pharmaceutical diagnostic

### **EHOB, Inc.**

250 N Belmont Ave  
Indianapolis, IN 46222  
317-972-4600

<http://www.ehob.com>

“Waffle” brand products: inflatable medical products

### **Engineered Medical Systems, Inc.**

2055 Executive Drive  
Indianapolis, IN 46241  
317-246-5500

Anesthesia masks, respiratory bags

### **Flotec, Inc.**

7625 W New York St  
Indianapolis, IN 46214  
317-273-6960

<http://www.floteco2.com>

Oxygen regulators

### **Focus Surgery, Inc.**

3940 Pendleton Way  
Indianapolis, IN 46226  
317-541-1580

<http://www.focus-surgery.com>

Non-invasive ultrasound guided surgical devices and technologies (for treatment of urological diseases)

## Surgical & Medical Instruments (cont.)

### **Gettig Technologies**

910 Wohlert St  
Angola, IN 46703  
219-665-9404

<http://www.gettig.com>

Precision tooling, injection molding

### **Gettig Technologies**

4055 E 250 N  
Knox, IN 46534  
219-772-6449

<http://www.gettig.com/>

Precision tooling, injection molding

### **Greenwald Surgical Company**

2688 DeKalb St  
Lake Station, IN 46405  
219-962-1604

<http://www.iryjo-joho.com/greenwald.html>

Urological instruments

### **Helmer Laboratories, Inc.**

15425 Herriman Blvd  
Noblesville, IN 46060  
317-773-9073

<http://www.helmerinc.com>

Medical equipment: refrigerators, plasma thawers, centrifuges

### **Hemocleanse**

2700 Kent Ave  
West Lafayette, IN 47906  
765-463-9540

<http://www.hemocleanse.com>

Develop/commercialize devices for chronic disease (AIDS, kidney disease, liver disease, etc)

### **Hill-Rom Company**

1069 State Route 46 E  
Batesville, IN 47006  
812-934-7777

<http://www.hill-rom.com/>

Patient care capital equipment

### **King Systems Corp.**

15011 Herriman Blvd  
Noblesville, IN 46060  
317-776-6823

<http://www.kingsystems.com>

Respiratory apparatus

### **Leach Technology Group**

6911 Hillsdale Ct  
Indianapolis, IN 46250  
317-576-5035

<http://www.ummelec.com/>

Modular analyzer systems for diabetes, tumors, pregnancy, drug abuse, HIV, etc.

### **Lifeguard Medical Products, Inc.**

1604 S Franklin Rd  
Indianapolis, IN 46239  
317-356-1635

Oxygen equipment

### **Mallinckrodt/Nellcor Puritan Bennett Corp.**

5647 Dividend Rd  
Indianapolis, IN 46241  
317-248-8060

<http://www.mallinckrodt.com/>

Oxygen equipment

### **Mectra Labs, Inc.**

US Route 231  
Bloomfield, IN 47424  
812-384-3521

<http://www.mectralabs.com>

Invasive surgery devices

### **MED Institute**

1400 Cumberland Ave  
Lafayette, IN 47906  
765-463-7537

<http://www.cookgroup.com/>

Development of medical equipment



## **Surgical & Medical Instruments (cont.)**

### **Modular Devices, Inc.**

503 W. Carmel Drive

Carmel, IN 46032

317-818-4480

<http://www.modulardevices.com/>

Heart catheterization EP & angio labs

### **Promex, Inc.**

3049 Hudson St.

Franklin, IN 46131

317-736-0128

<http://www.usbiopsy.com/>

Biopsy needles & devices

### **Purfybr, Inc.**

9384 Calumet Ave

Munster, IN 46321

800-947-9227

<http://www.purfybr.com/>

Diagnostic collection instrumentation

### **Regin Manufacturing, Inc. (AMG, LLC)**

12000 Exit 5 Parkway

PO Box 722

Indianapolis, IN 46038

317-579-6700

Medical instruments

### **Sabin Corp.**

3800 Constitution Way

Bloomington, IN 47403

812-323-4500

<http://www.sabincorp.com/>

Injection tubing/molds for Cook Group

### **Sterilization Cassette Systems Inc**

5717 W Minnesota St

Indianapolis, IN 46241

317-246-5535

<http://www.sterilecassette.com>

Dental, orthopedic, surgical, and generic  
(basic hospital) instrument case/tray systems

Also can create specialized cases for clients

### **Ultrex, Inc.**

200 Progress Way

Avilla, IN 46710

219-897-2117

<http://www.ultrexinc.com/>

Orthopedic/surgical instruments

### **UMM Electronics, Inc.**

6911 Hillsdale Ct

Indianapolis, IN 46250

317-576-5035

<http://www.ummelec.com/>

Modular analyzer systems for diabetes,  
tumors, pregnancy, drug abuse, HIV, etc.

## Surgical Appliances & Supplies

### **Advanced Orthopro, Inc.**

1820 N Illinois St

Indianapolis, IN 46202

317-924-4444

<http://www.advancedorthopro.com/>

Orthopedic supplies/artificial limbs

### **Allied OSI Laboratories, Inc.**

6299 Guion Rd

Indianapolis, IN 46268

317-293-4858

<http://www.aolabs.com/>

Orthopedic devices (custom)

### **American Limb & Orthopedic Co.**

1315 Mishawaka Ave

South Bend, IN 46615

219-287-3767

Artificial limbs/braces

### **Biomet, Inc.**

56 E Bell Dr

Warsaw, IN 46582

219-267-6639

<http://www.biomet.com/>

Manufactures orthopedic surgical and non-surgical medical devices

### **Calumet Orthopedic & Prosthetic**

7554 Grand Blvd

Crown Point, IN 46342

219-942-2148

<http://www.onp.com/calumet>

Orthopedic devices

### **Central Brace & Limb Co., Inc.**

1901 N Capitol Ave

Indianapolis, IN 46202

317-925-4296

Orthopedic devices, artificial limbs/braces, prosthetics

### **Closure Medical Corp.**

871 E Summit St

Crown Point, IN 46307

219-663-1775

<http://www.closuremed.com/>

Medical implant devices

### **DePuy, Inc.**

700 Orthopaedic Dr

Warsaw, IN 46852

219-267-8143

<http://www.depuy.com/>

Orthopedic devices and supplies

### **Fort Wayne Metals Research Products**

9609 Indianapolis Rd

Fort Wayne, IN 46809

219-747-4154

<http://www.fwmetals.com/>

Precision wire products

### **G & H Wire Co.**

P.O. Box 248

Greenwood, IN 46142

317-346-6655

<http://www.ghwire.com/>

Orthodontic supplies (wire)

### **Hand Industries, Inc.**

315 S Hand Ave

Warsaw, IN 46580

219-267-3525

<http://www.dirilyte.com/>

Orthopedic supplies

### **Hanger Prosthetics & Orthotics**

600 N Weinbach Ave # 660

Evansville, IN 47711

812-479-1121

<http://www.hanger.com/>

Artificial limbs/braces

## **Surgical Appliances & Supplies (cont.)**

### **Instrumedical Technologies, Inc.**

727 N Detroit St  
Warsaw, IN 46580  
219-269-1982  
<http://www.instru-med.com/>  
Orthopedic instruments

### **Jatex, Inc.**

PO Box 156  
Nappanee, IN 46506  
219-773-5928  
Orthopedic instruments

### **Lehi Prosthetics**

1501 W Jackson St  
Muncie, IN 47403  
765-288-4613  
Prosthetics

### **Northern Brace, Inc.**

425 N Michigan St #112  
South Bend, IN 46601  
219-233-2459  
Orthopedic braces

### **Novacare**

1332 N Illinois St  
Indianapolis, IN 46202  
317-634-6572  
<http://www.novacare.com/>  
Orthotics and prosthetics

### **Orthopedic Precision Instruments**

125 Washington St  
Roann, IN 46974  
765-833-5081  
Orthopedic instruments

### **Othy, Inc.**

486 W 350 N  
Warsaw, IN 46582  
219-267-8700  
<http://www.othy.com/>  
Orthopedic instruments

### **Paragon Medical Inc.**

8 Matchette Industrial Park Rd  
Pierceton, IN 46562  
219-594-2140  
<http://www.paragonmedical.com/>  
Medical trays & custom surgical instruments

### **Precision Instruments, Inc.**

Anderson, IN  
765-643-1980  
<http://www.pinstruments.com/>  
Surgical instruments

### **Rayco Steel Process, Inc.**

207 S Lincoln St  
Warsaw, IN 46580  
219-267-7676  
<http://www.raycotools.com/>  
Cutting tools & orthopedic instruments

### **Rodgers Finishing Tools**

1120 S Patterson St  
Lebanon, IN 46052  
765-482-7266  
<http://www.rftinc.com/>  
Tooling/finishing equipment

### **Romaine, Inc.**

2610 Sterling Ave  
Elkhart, IN 46516  
219-294-7101  
<http://www.koldwrap.com/>  
Cold compression bandages

### **Rotobur-Doell Manufacturing**

2730 Independence Drive  
Fort Wayne, IN 46808  
219-483-1110  
<http://www.rotobur.com/>  
Orthopedic supplies, cutting/grinding tools

## **Surgical Appliances & Supplies (cont.)**

### **Sofamor Danek Group**

Winona Lake, IN

219-267-6828

<http://www.sofamordanek.com/>

Spinal orthopedics/surgical tools

### **Zimmer, Inc.**

1800 W Center St

Warsaw, IN 46580

219-267-6131

<http://www.zimmer.com/>

Manufactures orthopedic reconstructive implants and surgical products, and trauma products.

## Health Information Technology

### **HealthX**

8720 Castle Creek Parkway, Suite 300  
Indianapolis, Indiana 46250  
877-492-3633  
<http://www.healthx.com/>

### **Logikos, Inc.**

2914 Independence Dr.  
Fort Wayne, IN 46808-0310  
260-483-3638  
<http://www.logikos.com/>

### **Logikos, Inc.**

4550 Jonathan Moore Pike  
Columbus, IN 47201  
812-342-3894  
<http://www.logikos.com/>

### **Medical Decision Modeling Inc.**

3600 Woodview Trace, Suite 317  
Indianapolis, IN 46268  
317-704-3801  
<http://www.mdm-inc.com/>

### **Medical Informatics Engineering**

4101 W. Jefferson Blvd.  
Fort Wayne, IN 46804  
260-459-6270  
<http://www.mieweb.com/>

### **Mezzia, Inc.**

500 East 96th Street, Suite 350  
Indianapolis, Indiana 46240  
317-805-6000  
<http://www.mezzia.com/>

### **Ontario Systems**

1150 West Kilgore Avenue  
Muncie, Indiana 47305-1588  
765-751-7000  
<http://www.ontariosystems.com/home.htm>

### **Quovix**

6081 E. 82nd Street, Suite 201  
Indianapolis, IN 46250  
888-376-5164  
<http://www.quovix.com/>

### **RealMed Corporation**

510 E. 96th Street, Suite 400  
Indianapolis, IN 46240  
877-REALMED  
<http://www.realmed.com/>

### **Technology Partnership Group, Inc.**

120 East Market Street, Suite 400  
Indianapolis, IN 46204  
317-610-6100  
<http://www.techpg.com/>

## **Biomedical Suppliers and Safety Equipment**

*General: Includes health, chemical, rubber, electrical and other products and services*

### **Accessibility Products, Inc.**

4855 S Emerson Ave  
Indianapolis, IN 46203  
317-784-2255  
<http://www.accessibilityproducts.com/>  
Home health care products

### **Aearo Co.**

5457 W 79th St  
Indianapolis, IN 46268  
317-692-6666  
<http://www.aosafety.com/>  
Industrial respiratory safety products

### **Airomat Corporation**

2916 Engle Rd  
Fort Wayne, IN 46809  
219-747-7408  
<http://www.airomat.com/>  
Work matting

### **Alexander Chemical Corp**

P.O. Box 1747  
LaPorte, IN 46352-1747  
219-393-3541  
Organic & inorganic chemicals

### **Alpha Systems, Inc.**

5120 Beck Dr.  
Elkhart, IN 46516  
219-295-5206  
<http://www.alphasystemsinc.com/>  
Sealants, rubber roofing

### **American Ultraviolet Co.**

212 S Mount Zion Rd  
Lebanon, IN 46052  
765-483-9514  
<http://www.americanultraviolet.com/>  
UV cure systems, germicidal fixtures

### **Anderson Development Co**

3400 W. 4th Ave.  
Gary, IN 46406-1706  
219-977-9850  
Industrial chemicals: pharmaceutical alcohol borates

### **Anderson Tool & Engineering, Co Inc**

P.O. Box 1158  
Anderson, IN 46015  
765-643-6691  
Design & build special equipment & electrical panels

### **Applied Instruments, Inc.**

5234 Elmwood Ave  
Indianapolis, IN 46203  
317-782-4331  
<http://www.appliedin.com/>  
Test equipment to t-comm industry

### **Automated Control Systems**

627 Hartzell Rd  
New Haven, IN 46774  
219-493-6606  
<http://www.acsmfg.com/>  
Continuous product material handling

### **Ball Systems, Inc.**

622 S. Rangeline Rd.  
Carmel, IN 46032  
317-848-0207  
CRT equipment and surge suppressors, design custom test equipment

### **Brown Tape Products Co.**

2323 W 141st St  
Westfield, IN 46074  
317-848-1202  
<http://www.browntapeproducts.com/>  
Adhesive tapes, surgical gloves

### **Carter Manufacturing Co., Inc.**

896 E Carter Ct  
Brookston, IN 47923  
765-563-3666  
<http://www.cartermfgco.com/>  
Equipment for harvest & plant research plots

## Biomedical Suppliers and Safety Equipment (cont.)

### **CAVU Operations Inc**

310 N Earl Dr

Lafayette, IN 47903

765-447-1157

Electrical & epoxy molded coils, instruments & potential transformers

### **Central Indiana Rubber Products, Inc.**

706 Waynetown Rd

Crawfordsville, IN 47993

765-362-7790

<http://www.centralrubber.com/>

Hose, gaskets, extrusions

### **Central Rubber & Plastics, Inc.**

17416 County Road 34

Goshen, IN 46528

219-534-6411

<http://www.centralrubberinc.com/>

Molded rubber products, thermoplastic elastomers

### **Continental International**

6723 Hanna St

Fort Wayne, IN 46816

219-447-7000

<http://www.contintl.com/>

Seals and abrasives

### **Control Development**

2633 Foundation Dr

South Bend, IN 46628

219-288-7338

<http://www.controldevelopment.com>

Spectroscopy and optical components

### **Current Technologies, Inc.**

State Road 32 E

Crawfordsville, IN 47933

765-364-0490

Medical wipes & disposable medical laboratory supplies

### **D&N Micro Products**

2703 Corrinado Ct

Fort Wayne, IN 46808

219-484-6414

<http://www.dnmicro.com>

Designs, modifies, assembles and manufactures a wide variety of electronic and mechanical products

### **Dage-MTI, Inc.**

701 N Roeske Ave

Michigan City, IN 46360

219-872-5514

<http://www.dagemti.com/>

Cameras & monitors for health industry

### **DA-LITE**

3100 N Detroit St

Warsaw, IN 46582

219-267-8101

<http://www.dalite.com/>

Projection screens, presentation products

### **Deflect-o**

7035 E 86th St

Indianapolis, IN 46250

317-841-4380

<http://www.deflecto.com/>

Air distribution, dryer venting, heat register air deflector

### **Deister Machine Company, Inc.**

1933 E Wayne St

Fort Wayne, IN 46803

219-426-7495

<http://www.deistermachine.com/>

Vibrating equipment

### **Diversified Healthcare, Inc.**

420 NW 5th St

Evansville, IN 47708

812-428-6700

<http://www.dhirect.com/>

Supply retail and hospital pharmacies

## Biomedical Suppliers and Safety Equipment (con't)

### **Dwyer Instruments, Inc.**

102 Indiana Highway 212

Michigan City, IN 46360

219-879-8000

<http://www.dwyerinstruments.com/>

Measuring and control instruments

### **E-A-R Specialty Composites**

7911 Zionsville Rd

Indianapolis, IN 46268

317-692-1111

<http://www.earspecialtycomposites.com/>

Material for noise control, vibration dampening

### **Ecolab, Inc.**

970 Tipton

Huntington, IN 46750

291-268-8100

Disinfectants

### **Etalon, Inc.**

P.O. Box 127

Lebanon, IN 46052-0127

765-483-2550

Piezoelectric & ultrasonic transducers

### **Faultless Caster Div.**

1421 N Garvin St

Evansville, IN 47711

812-425-1011

<http://www.faultlesscaster.com/>

Casters and other mobility units

### **FH Burnham Glove Company**

1601 Ohio St

Michigan City, IN 46360

219-874-5205

<http://www.burnhamglove.com/>

Produce gloves

### **Firestone Industrial Products**

12650 Hamilton Crossing Blvd

Carmel, IN 46032

317-818-8600

<http://www.fsip.com/>

Air accessory systems-air springs

### **Flint & Walling Industries, Inc.**

95 N Oak St

Kendallville, IN 46755

219-347-1600

<http://www.flintandwalling.com/>

Water system manufacturers

### **Glas-Col Apparatus Co.**

711 Hulman St

Terre Haute, IN 47802

812-235-6167

<http://www.glascol.com/>

Heating tapes & cords, homogenizers, rotators, shakers, stirrers

### **Global Power Systems, Inc.**

2703 Corrinado Ct

Fort Wayne, IN 46808

219-373-0075

<http://www.globalpowersystems.com/>

Electronic wheel chairs

### **Hamblen Gage Corporation**

4901 W. Raymond St.

Indianapolis, IN 46241

317-241-9444

Design & build automated post-processor gages with closed-loop SPC

### **HBR Healthcare Co.**

2211 Williamsburg Pike

Richmond, IN 47374

765-966-1400

<http://www.hbrhealthcare.com/>

Remanufactured hospital equipment (beds)

### **Health Equipment Manufacturers**

702 S Reed Dr.

Fremont, IN, IN 46737

219-495-3472

Heating pads



## Biomedical Suppliers and Safety Equipment (cont.)

### **KLI Corporation**

1119 3rd Ave SW  
Carmel, IN 46032  
317-846-7452

<http://www.entertainers-secret.com/>

Entertainer's secret throat relief

### **Laboratory Equipment Corp. (Labeco)**

156 E. Harrison St.  
Mooresville, IN 16158  
317-831-2990  
Design & manufacture custom test equipment, computer controls

### **Lincoln Coders, Inc.**

2815 Independence Dr  
Fort Wayne, IN 46808  
219-482-8493  
<http://www.lincolncoders.com/>  
Carton coders for code dating & product information

### **Magnetic Concepts Corporation**

611 3rd Ave SW  
Carmel, IN 46032  
317-580-4020  
<http://www.magneticconcepts.com/>  
White boards, magnetic scheduling boards

### **Marvel Industries**

233 Industrial Pkwy  
Richmond, IN 47374  
765-962-2521  
<http://www.marvelindustries.com/>  
Refrigeration products

### **MG Grundman & Sons, Inc.**

906 N 7th St  
Vincennes, IN 47591  
812-882-4770  
<http://www.grundmanshoe.com/>  
Custom corrective, regular shoes and boots

### **Micro Bio-Medics Inc**

8119-37 Zionsville Rd  
Indianapolis, IN 46268  
317-872-7670  
<http://www.microbiomedics.com/>  
Distributor of medical supplies & equipment to health care providers

### **Micrology Laboratories**

206 W Lincoln Ave  
Goshen, IN 46526  
219-533-3351  
<http://www.micrologylabs.com/>  
Water testing and microbiology applications

### **Moyer Process & Control, Inc.**

105 N Wayne St  
Fremont, IN 46737  
219-495-2405  
<http://www.moyercompanies.com/>  
Spring makers

### **Norman Tool, Inc.**

15415 Old State Rd  
Evansville, IN 47725  
812-867-3496  
<http://www.normantool.com/>  
Manufactures abrasion wear testers

### **Nuell, Inc.**

P.O. Box 55  
Warsaw, IN 46580  
Repair & manufacture surgical equipment

### **Okaya Electric America, Inc.**

503 Wall St  
Valparaiso, IN 46383  
219-477-4488  
<http://www.okaya.com/>  
Display and noise suppression

### **Parker Glove & Supply Co.**

220 E 4th St  
Avilla, IN 46710  
219-897-3118  
<http://www.parkerglove.com/>  
Gloves, eye, ear and clothing protection

## Biomedical Suppliers and Safety Equipment (cont.)

### **Powerway, Inc.**

6919 Hillsdale Ct  
Indianapolis, IN 46250  
317-585-6238  
<http://www.powerwayinc.org/>  
Software products

### **Pyromation, Inc.**

5211 Industrial Rd  
Fort Wayne, IN 46825  
219-484-2580  
<http://www.pyromation.com/>  
Temperature sensor manufacturing

### **Royal Spa Manufacturing**

2041 W Epler Ave  
Indianapolis, IN 46217  
317-781-0828  
<http://www.royalspa.com/>  
Spas, saunas, whirlpools

### **Sammann Corp**

9935 N US Highway 12 E  
Michigan City, IN 46360  
219-872-4413  
<http://www.sammann.com/>  
Scissors, glasses

### **Sani-Serv**

451 E County Line Rd  
Mooresville, IN 46158  
317-247-0460  
<http://www.saniserv.com/>  
Work tables

### **Service Engineering, Inc.**

2190 W Main St  
Greenfield, IN 46140  
317-467-2000  
<http://www.serviceengineering.com/>  
Vibratory and centrifugal parts, pre-feeding equipment

### **SilCo Tec**

707 Boyd Blvd  
La Porte, IN 46350  
219-324-4411  
<http://www.silcotech.com/>  
Color master batches & other additives & modifiers for silicon rubber compounds

### **Simulators Ltd, Inc.**

P.O. Box 1644  
Terre Haute, IN 47808  
812-466-2071  
Research & development: health & safety products, cold weather breathing masks

### **South Bend Controls, Inc.**

1237 Northside Blvd.  
South Bend, IN 46615-3991  
219-234-3157  
Solenoids & operated valves for aerospace, space & medical fields

### **Star Glove Co.**

106 S Oak St  
Odon, IN 47562  
812-636-7395  
<http://www.starglove.com/>  
Industrial work gloves

### **Stickle Steam Specialties Co.**

2215 Valley Ave  
Indianapolis, IN 46218  
317-636-6563  
<http://www.sticklesteam.com/>  
Meets hospitals' steam demands

### **Sun Metal Products, Inc.**

2156 N Detroit St  
Warsaw, IN 46580  
219-267-3281  
<http://www.sunmetal.com/>  
Wheelchair rims and wheels

## Biomedical Suppliers and Safety Equipment (cont.)

### **The Braun Corporation**

631 W 11th St

Winamac, IN 46996

219-946-6153

<http://www.braunlift.com/>

Wheelchair lifts, accessories

### **Vibronics, Inc.**

10744 W State Route 662

Newburgh, IN 47630

812-853-2300

<http://www.vibronics.com/>

Seismography, blast surveying, vibration studies

### **Viking, Inc.**

2740 E Business 30

Columbia City, IN 46725

219-244-6141

<http://www.vikinginc.com>

Rubber products

### **Von Duprin, Inc.**

2720 Tobey Dr

Indianapolis, IN 46219

317-897-9944

<http://www.vonduprin.com/>

Door exit hardware, electrified security products and door control panels

### **Wabash Instrument Corp**

300 Olive St

Wabash, IN 46992

219-563-8406

<http://www.winsco.com/>

Science education equipment

### **Warrick Industries Corp**

1110 D I Dr

Elkhart, IN 46514

219-264-7511

<http://www.mccoymiller.com/>

Make ambulances

### **WC Kirby & Son, Inc.**

1709 Cherry St

Noblesville, IN 46060

317-773-6700

<http://www.wckirby.com/>

Design and manufacture compression, transfer and injection molds for rubber industry

### **Whimet**

4356 N State Road 15

Warsaw, IN 46582

219-267-8062

Device manufacturing

## Biomedical Plastics

### **American Renolit Corp La Porte**

1207 E Lincolnway

La Porte, IN 46350

219-324-6886

<http://www.americanrenolit.com>

Polyvinylchloride and polyolefines

### **Bremen Motor Corp**

405 Industrial Dr

Bremen, IN 46506

219-546-3791

Medical soft goods, pads, life vests

### **Burco Molding, Inc.**

15015 Herriman Blvd

Noblesville, IN 46060

317-773-5699

Medical plastic products

### **Cedar Plastics Inc**

1214 W Main St

Lebanon, IN 46052

765-482-5555

Plastic injection molded products including medical

### **Central Rubber & Plastics, Inc.**

17416 County Road 34

Goshen, IN 46528

219-534-6411

<http://www.centralrubberinc.com/>

Molded rubber products, thermoplastic elastomers

### **Century Foam**

28505 County Road 20

Elkhart, IN 46517

219-293-5547

<http://www.centuryfoam.com>

Foam products

### **ECA Enterprises**

906 S Walnut

Edinburgh, IN 46214

812-526-6734

<http://www.manarinc.com/>

Custom plastic part assembling for medical & industrial uses

### **Fiberglass Engineering/Design**

7421 Crawfordsville Rd

Indianapolis, IN 4614

317-293-0002

Molds & medical equipment

### **FLW Plastics, Inc.**

P.O. Box 99

Hope, IN 47246

812-546-0049

Medical plastic injection molding

### **Fort Wayne Mold and Engineering, Inc.**

4501 Earth Drive

Fort Wayne, IN 46809

219-747-9168

Design & manufacture of precision rubber molds sold to the medical industry

### **Foamcraft, Inc.**

5543 Bonna Ave

Indianapolis, IN 46219

317-357-8701

<http://www.foamcraftinc.com/>

Urethane foam, flammability foam

### **General Rubber and Plastics**

1902 N Kentucky Ave

Evansville, IN 47711

812-464-5153

<http://www.genrub.com/>

Hose, gaskets, rubber sheeting, seals, Plexiglas

### **Kenco Plastics Inc**

2202 W 450 N

La Porte, IN 46350

219-3627565

Precision injection molding

## Biomedical Plastics (cont.)

### **Med-Plastics Intl Inc**

Indianapolis  
317-870-5050  
Injection molded disposable medical products

### **Medical Polymers**

95 South Main Street  
P.O. Box 188  
Spencer, IN 47460  
812-829-4891  
Manufacturing, custom molding engineering & design, precision parts

### **Model Mold & Machine Co., Inc.**

3409 Sutherland Ave.  
Indianapolis, IN 46218  
317-925-8911  
Plastic injection molds

### **Nice-Pak Products Inc**

1 Nice-Pak Rd.  
Mooreville, IN 46158  
317-831-6800  
Containers: plastic, medical & hospital supplies, packaging materials: plastic, SVC

### **North American Latex Corp.**

49 Industrial Park Dr.  
Sullivan, IN 47882-7521  
812-268-6608  
Latex medical, industrial & vinyl dip products

### **Plastic Assembly Technologies**

Indianapolis  
317-841-1202  
Medical equipment and supplies

### **Plastic Processors, Inc.**

7450 S Homestead Dr  
Hamilton, IN 46742  
219-488-3999  
<http://www.plasticprocessorsinc.com/>  
Plastic extrusion, rubber molding, rubber fabricating

### **Sperry Rubber & Plastics Co.**

9146 US Highway 52  
Brookville, IN 47012  
765-647-4141  
<http://www.sperryrubber.com/>  
Extrudes rubber and plastic profiles

### **Spin-Cast Plastics, Inc.**

3300 N Kenmore St  
South Bend, IN 46628  
219-232-8066  
<http://www.spincast.com/>  
Rotational molding

### **Tomken Tool & Engineering, Inc.**

4601 North Superior Dr.  
Muncie, IN 47303  
800-382-2472  
Plastic-injection molds, custom molding of miniature plastic parts

### **Tulox Plastics Corp**

401 S Miller Ave  
Marion, IN 46953  
765-664-5155  
<http://www.tulox.com/>  
Semi-rigid plastic containers and injection molded closures

### **Wieland Designs Inc**

901 E Madison St  
Goshen, IN 46528  
219-533-2168  
Vinyl prods for medical equipment

## Biomedical Metal and Machine Shop Products and Services

### **Ahaus Tool and Engineering, Inc**

200 Industrial Parkway  
Richmond, IN 47375  
765-962-3571  
Design & build special application machines

### **Apex Precision Technologies, Inc.**

2060 Yandes St.  
Indianapolis, IN 46202  
317-925-5363  
Mechanical assemblies, formed tubes & tube assemblies

### **Bates Machine, Inc.**

1120 D I Dr.  
Elkhart, IN 46514  
219-264-3997  
Machine shop: medical tools, prosthetics, custom CNC machining, drilling, boring, cutting, etc.

### **Bo-Mar Industries, Inc.**

221 S. Franklin Rd.  
Indianapolis, IN 46219  
317-899-1240  
Value-added engineering

### **Central Machine Works**

3939 W. 56th St.  
Indianapolis, IN 46254  
317-297-9770  
Aerospace, automation, electronics, medical, plastics

### **Chesterfield Tool & Engineering, Inc.**

P.O. Box 566  
Daleville, IN 47334-9347  
765-378-5101  
Hydraulic fixtures

### **Commercial Plating Company, Inc.**

P.O. Box 843  
Indianapolis, IN 46206  
317-635-8565  
Electroless nickel plating

### **Detail Tool, Die and Injection Molding L.L.C.**

636 West State Road 28  
Alexandria, IN 46001  
765-724-7647  
Molds, crimp dies, stamp dies, injection-molding components and some injection molding

### **Hurst Manufacturing**

1551 E Broadway St  
Princeton, IN 47670  
812-385-2564  
<http://www.hurstmfg.com>  
Motors and gear boxes

### **Imagineering Enterprises, Inc.**

1302 W Sample St  
South Bend, IN 46619  
219-287-2941  
<http://www.imagineering-inc.com/>  
Metal finishing and metallurgical consulting to several industries

### **IMH Products, Inc.**

P.O. Box 20814  
Indianapolis, IN 46220  
317-252-5566  
Fabrication, stamping, welding & assembly

### **Indianapolis Metal Spinning Company**

1924 Midwest Blvd.  
Indianapolis, IN 46214  
317-273-7440  
Tube spinning, pressure vessels, quick turn-arounds

### **Industrial Component Parts, Inc.**

2610 Fortune Circle Drive East  
Indianapolis, IN 46241  
317-481-9314  
Manufacturing of custom components and modification of existing parts to precision specifications

## Biomedical Metal and Machine Shop Products and Services (cont.)

### **Industrial Heat Treating & Metallurgical Co.**

500 W. 21st St.  
Indianapolis, IN 46202  
317-924-4321  
Metal heat-treating and testing facility

### **JIFCO Products, Inc.**

256 W. Brown Street  
Valparaiso, IN 46383  
219-464-7111  
Small lot machining with short lead time  
and just-in-time delivery from warehoused  
inventory

### **Kaiser Tool Company, Inc.**

3620 Centennial Dr  
Fort Wayne, IN 46808  
219-484-3620  
<http://www.kaisertool.com/>  
Cutting tools, laser markings, knife blades

### **Kilgore Manufacturing**

2390 E 100 S  
Columbia City, IN 46725  
219-248-2002  
<http://www.kilgoremfg.com/>  
Machined components & assemblies for  
original equipment

### **Langsenkamp Mfg.**

8816 Corporation Drive  
Indianapolis, IN 46256  
317-585-1950  
Custom fabrication of any metal products  
including design assistance and prototyping

### **Out Source Manufacturing, LLC**

P.O. Box 1021  
Warsaw, IN 46580  
219-267-8791  
Machine shop, medical implants & instru-  
ments

### **Overton & Sons Tool & Die Company**

1250 Old State Road 67 South  
Mooresville, IN 46158-8243  
317-831-4542  
Design & build coordinate measuring  
machine

### **Parsons Custom Machining**

P. O. Box 615  
Brazil, IN 47834  
812-446-5431  
ISO certified machine shop

### **PG Industries**

6400 Industrial Hwy  
Gary, IN 46406  
219-977-8493  
<http://www.tanks-linings.com/>  
Web design, development & customer serv-  
ice

### **Provar Industrial Corporation**

8912 Mississippi St  
Merrillville, IN 46410  
219-650-2330  
<http://www.provarindustrialcorp.com/>  
Industrial engineering & manufacturing

### **Q3! Inc**

5857 Churchman Ave  
Indianapolis, IN 46206  
317-780-8562  
Machine shop manufacturing medical prod-  
ucts

### **Rapid Rule**

69159 Pine Rd  
North Liberty, IN 46554  
219-784-2273  
<http://www.rapidrule.com/>  
Scale rulers

## **Biomedical Metal and Machine Shop Products and Services (cont.)**

### **Rickman Tool, Inc.**

P.O. Box 547

Rochester, IN 46975

219-223-8198

Precision parts for orthopedic industry:  
implants for back surgery & surgical instruments

### **Rx Honing Machine Corp.**

1301 East 5th St.

Mishawaka, IN 46544

800-346-6464

Surgical & dental sharpening & maintenance equipment

### **Sabre, Inc.**

10832 Weatherly Court

Indianapolis, IN 46236

317-823-5755

Sales of machined, metal and plastic parts  
plus prototype parts

### **Snavely's Machine & Manufacturing Co., Inc.**

1750 Mill St., P.O. Box 764

Wabash, IN 46992

219-563-8395

Precision job shop manufactures to customer prints

### **Stone City Products, Inc.**

1206 Seventh St.

Bedford, IN 47421

812-275-3373

Metal stampings, assemblies, capacitor mounting, hardware

### **T & L Sharpening, Inc.**

P.O. Box 338

Monticello, IN 47960

219-583-9250

Cutter & orthopedic rasp grinding; carbide rotary files, stainless steel twist drills & electropolishing